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Cost Evaluation of Federal Motor Vehicle Safety Standard
210 - Passenger Cars and Evaluation of Cost and Weight
Trends for Standards 201, 203 and 204 - Passenger Cars
Volume: II

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16. Abstract <p>The consumer cost and weight effect on 1983 vehicles, to comply with FMVSS 201, 203 and 204 as determined by a process of teardown analysis of those components affected by the Standards.</p> <p>The Standards cover:</p> <p>FMVSS 201 - Occupant Protection in Interior Impact, VOLUME I</p> <p>FMVSS 203 - Impact Protection for the Driver from the Steering Control System, VOLUME II*</p> <p>FMVSS 204 - Steering Control Rearward Displacement, VOLUME III</p> <p>A pre, post and trend cost and weight effect of complying with FMVSS 210 as determined by detail analysis of those components affected.</p> <p>The cars selected for this study were to be high volume representatives of all the various size classifications and, as near as possible, carry-over models or direct descendants of those in previous related studies. The sampling also includes cars downsized by weight reductions, recently redesigned smaller, more efficient vehicles with four and six cylinder engines, rack and pinion steering and front wheel drive.</p> <p>* This Document is VOLUME II (see above).</p>			
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PREFACE

Pioneer Engineering has conducted a cost study of components affected by:

- FMVSS 201 - Occupant Protection in Interior Impact
- FMVSS 203 - Impact protection for the Driver from the Steering Control System
- FMVSS 204 - Steering Control Rearward Displacement
- FMVSS 210 - Seat Belt Assembly Achorages

This work was performed under Contract DTNH22-83-C-06007. The objective of the study was to develop cost trends of the components required to meet these Standards. These costs were developed by selecting a sampling of automobiles that are produced in a relative high volume and were representative of a majority of those sold in the United States. Components from the sample vehicles were obtained and detailed cost were derived through reverse engineering analysis and detailed processing. The resulting cost data indicates the magnitude of the economic impact on the industry and the consumer from the implementation of these Standards. All cost data were based on on third quarter 1984 economics.

This contractor, Pioneer Engineering and Manufacturing Company, has conducted numerous previous "teardown" analyses for the NHTSA and private industry. The methodology for both conducting the "teardown" analysis and determining the estimated costs from actual part manufacturing process analysis has been developed and perfected by over 15 years experience in this type of work. The cost estimating techniques employed in the analysis are based on current automotive industry practice to assure real world consumer price values.

The contractor acknowledges the contributions of its staff, the automotive manufacturers, the Motor Vehicle Manufacturers Association and automotive trade publications. Special acknowledgement is made to the Contract Technical Manager, Mr. Warren LaHeist, for his contributions and helpful reviews throughout the program.

INTRODUCTION

The objectives of this contract were as follows:

- Determine the cost effect (trend cost) that Federal Motor Vehicle Safety Standards:
 - FMVSS 201 - Occupant Protection in Interior Impact
 - FMVSS 203 - Impact Protection for the Driver from the Steering Control System
 - FMVSS 204 - Steering Control Rearward Displacementhad on 1983 automobiles and also to make a determination of the affect of downsizing, weight reduction and front wheel drive may have had on the cost of implementing these Standards. These Standards were implemented in 1968.
- Develop Pre, Post and Trend Cost Comparison of:
 - oo FMVSS 210 - Seat Belt Assembly Anchoragesfor full, mid, compact, sub-compact, foreign cars, multi-purpose vehicles, and both standard and light-weight pickup trucks.

The basis for the above price determinations is the "teardown" and analysis of system components from selected vehicles representing comparable makes/models prior to and after the effective date of the Standards. All of the cost information is therefore compiled from actual changes made by the manufacturers to assure compliance with the requirements specified in the FMVSS.

The analysis of design changes between comparable vehicles highlights those resulting from implementation of the Standards and those made for other reasons, such as styling, cost reduction or other functional improvements not associated with the requirement of these Standards. The analysis also provides the material type and weight of all components in the systems. For those components identified as changed because of the Standards, a detailed, or Micro-Cost Analysis, was conducted to determine the variable manufacturing costs. This analysis is based on a complete manufacturing process study which provides material, labor and burden costs for each part plus the costs of assembly operations.

A Macro-Analysis of the major U.S. automobile manufacturer's financial statements was utilized to determine the ratio of cost of goods sold to income from sales which

in turn provided an average ratio of variable manufacturing cost to manufacturers wholesale price. An analysis of dealer discounts in the automotive industry provided a typical ratio of wholesale price to consumer price. A summation of the component consumer price changes for each set of comparable vehicles provided the net consumer price effect of the specified Standards.

The quantity of pages generated by this effort has dictated that this report be presented in three (3) volumes. This volumes includes text for the entire report, and the data for Standard 201. Volume II contains the data for Standards 203 and 204; Volume III contains text for Standard 210.

SUMMARY

The purpose of FMVSS 203 is to minimize chest injuries by limiting to 2,500 pounds, the force that can be exerted on a driver's chest as it strikes the steering wheel at a relative velocity of 15 MPH in the course of a frontal collision. The purpose of FMVSS 204 is to minimize chest injuries by limiting the amount of rearward movement of the steering wheel to 5.0 inches in the course of a 30 MPH frontal barrier collision.

Each manufacturer has his own idea of the most effective way to build a steering system that meets both Standards. Generally a break-away column mounting bracket and collapsing or telescoping steering shaft and column are used to satisfy Standard 203 and an intermediate steering shaft with a universal joint at each end is used to prevent rearward displacement of the steering shaft (Standard 204). However, most designs have components that serve either or both Standards depending on the type of accident. This makes it difficult to assign a group of parts, or a particular part, or even an operation on a part, as a penalty to a particular Safety Standard.

The study included four vehicle with worm and recirculating ball type steering systems (Chevrolet Caprice and Malibu, Ford Crown Victoria and Chrysler Fifth Ave.). The remaining eight cars had rack and pinion steering. Four had floor shifts as standard equipment (Ford Mustang, AMC Alliance, Toyota Tercel and Nissan Sentra) and required no shifting tube, the average shifting tube cost was \$2.50. No specific cost trend was evident from the study. Choice of design appeared to have more affect on the cost than the type of steering system used or the size of the vehicle. Of the "big three" domestic manufacturers, Chevrolet had the least costly system on their standard and intermediate cars and the most costly systems of the three compacts.

**MAKE AND MODEL IDENTIFICATION OF VEHICLES
USED IN COST SAMPLING PLAN FOR
FEDERAL MOTOR VEHICLE SAFETY STANDARD 203 & 204**

NUMBER	MAKE	SIZE*	MODEL
01	Chevrolet	Standard	Impala-Caprice
02	Chevrolet	Intermediate	Malibu
03	Chevrolet	Compact	Cavalier
04	Ford	Standard	Crown Victoria
05	Ford	Intermediate	Fairlane-LTD
06	Ford	Compact	Mustang
07	Chrysler	Standard	5th Avenue
08	Chrysler	Intermediate	"E" Class
09	Chrysler	Compact	Valiant-Reliant
10	A.M.C.	Subcompact	American, Gremlin, Alliance
11	Toyota	Subcompact	Corona, Tercel
12	Nissan	Subcompact	Sentra

***Size Classification Per Automotive News**

STEERING SYSTEMS

PRE-STANDARD DESIGN

The steering shaft end column depicted in Figure A is a typical, Pre- 203 Standard system used by most auto manufacturers in cars built prior to 1967. The steering column jacket was a one piece tube mounted solidly to the dash and instrument panels. The shifting tube and steering shaft rotated independently, on bearings, within the jacket. The steering shaft was a straight one piece, solid steel bar that extended from the steering wheel to a "rag" or "pot" type coupling between the steering shaft and the steering gear. One purpose of the coupling was to compensate for any misalignment between the body mounted steering column and the chassis or frame mounted steering gear. Another was to isolate the driver from some of the engine and road noise and vibration.

This was a very efficient, trouble free steering system, but it presented a huge threat to the driver. A sudden loss of forward motion of the car threw the driver, chest first, onto the steering wheel. If the steering wheel gave way, the driver's luck went from bad to worse; the steering shaft remained as a blunt, solidly mounted spear. Unrestrained drivers often suffered severe or even fatal chest injuries from relatively low speed frontal collisions.

POST-STANDARD DESIGN

The first generation of changes the auto manufacturers made to comply with the standard are represented in Figure B and were typical throughout the auto industry. The steering column mounting brackets were secured to the instrument panel with friction slides between the brackets and the fasteners. At a given downward force, the mounting brackets slid out from under the retainers and allowed the steering column jacket, which had been systematically weakened by a series of diamond shaped perforations, to collapse at a given rate. As the column jacket began to collapse, a larger portion of the downward force was diverted to the shifting tube and steering shaft. The shifting tube was a three piece assembly; the two end sections had an outside diameter just slightly larger than the inside diameter of the center section. The end sections were attached to the center section with an interference (press) fit which enables them to telescope into the center section at a controlled rate. Torsional strength is maintained by a longitudinal key and slot system.

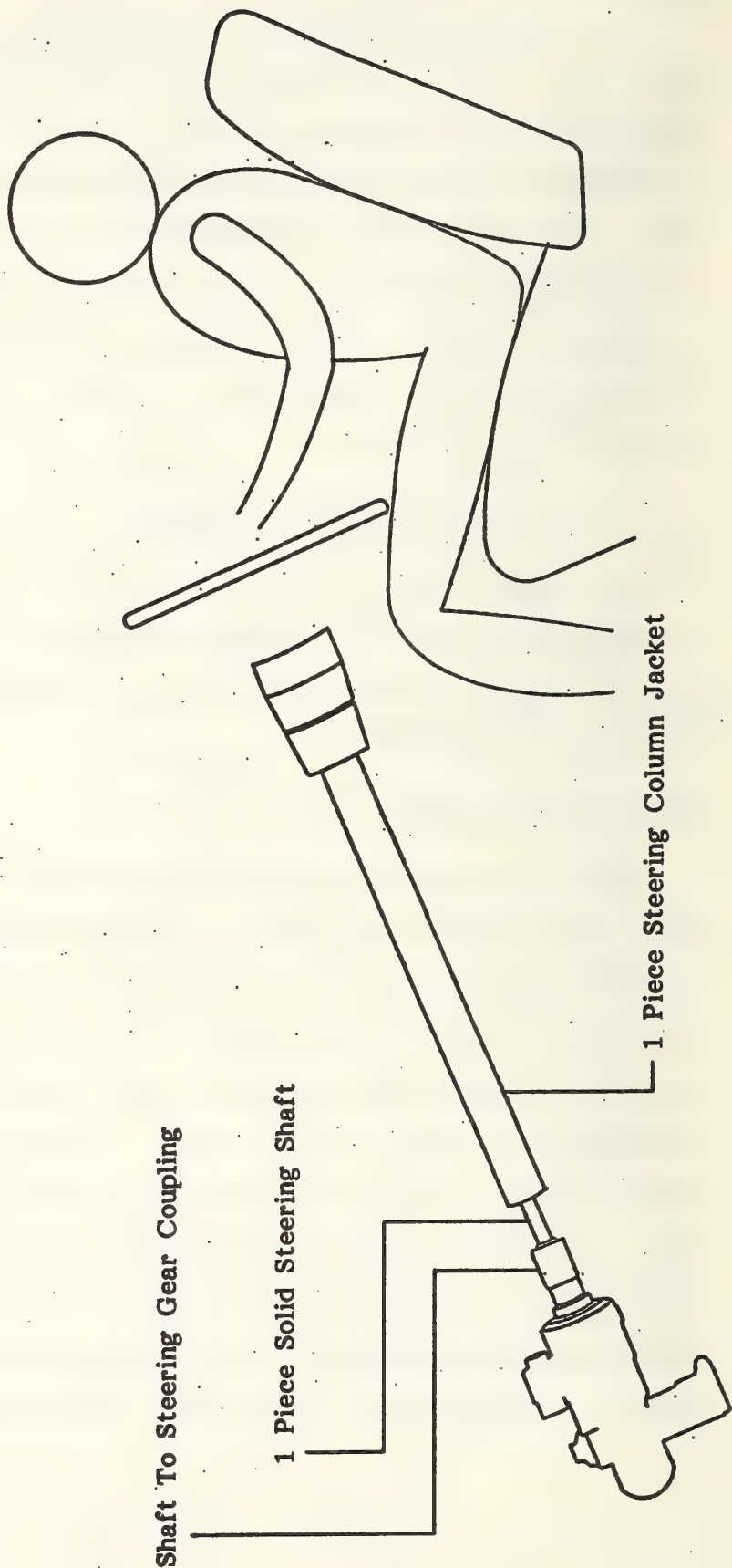
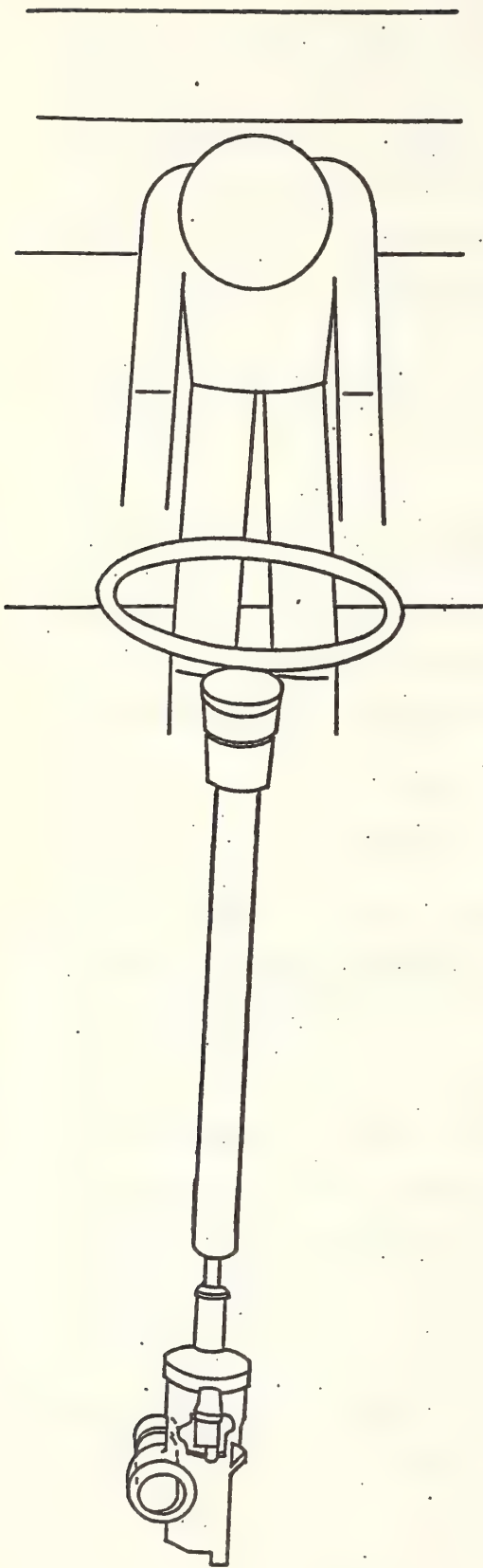


Figure A
Typical Pre-Standard Steering System

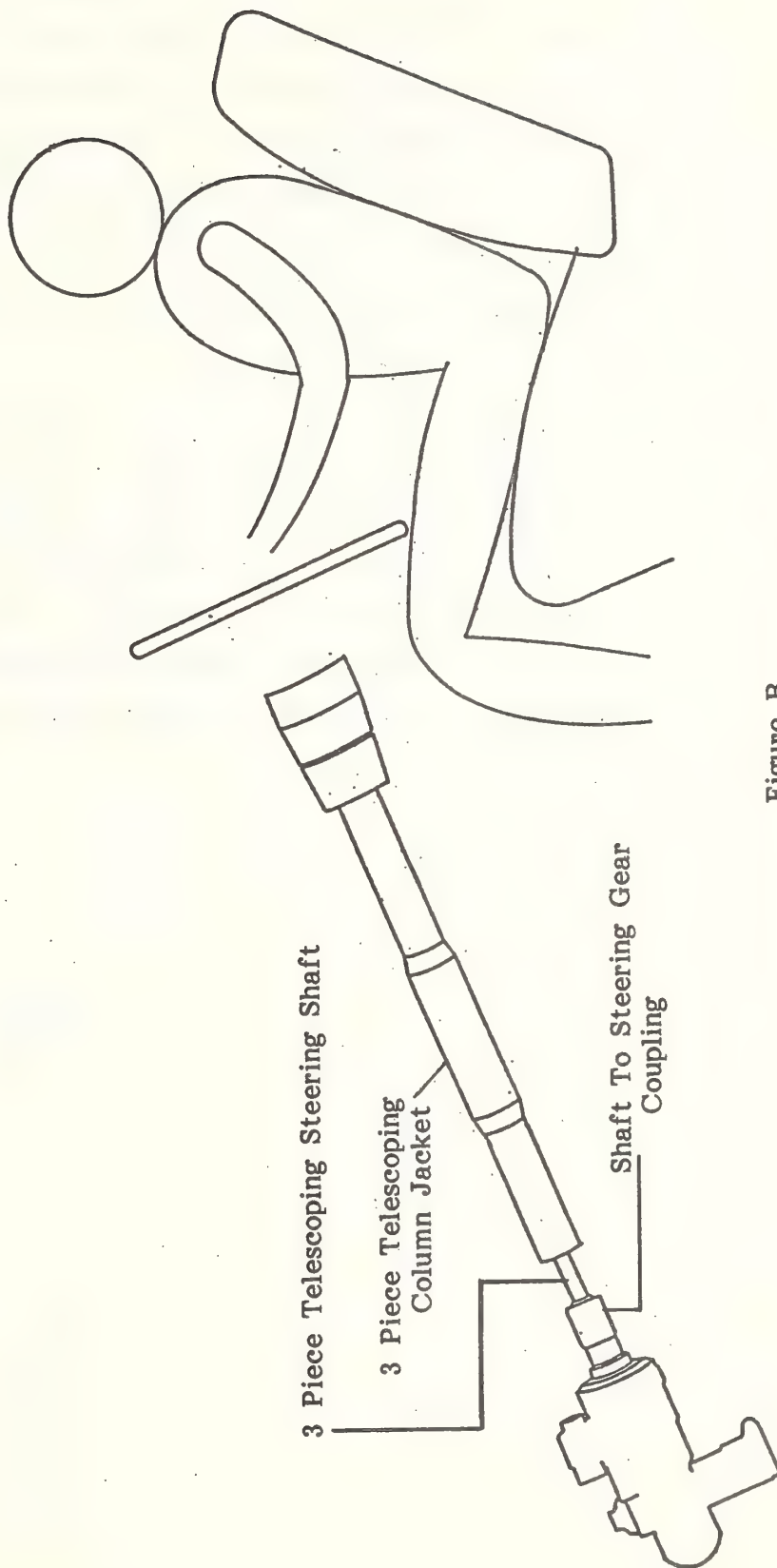
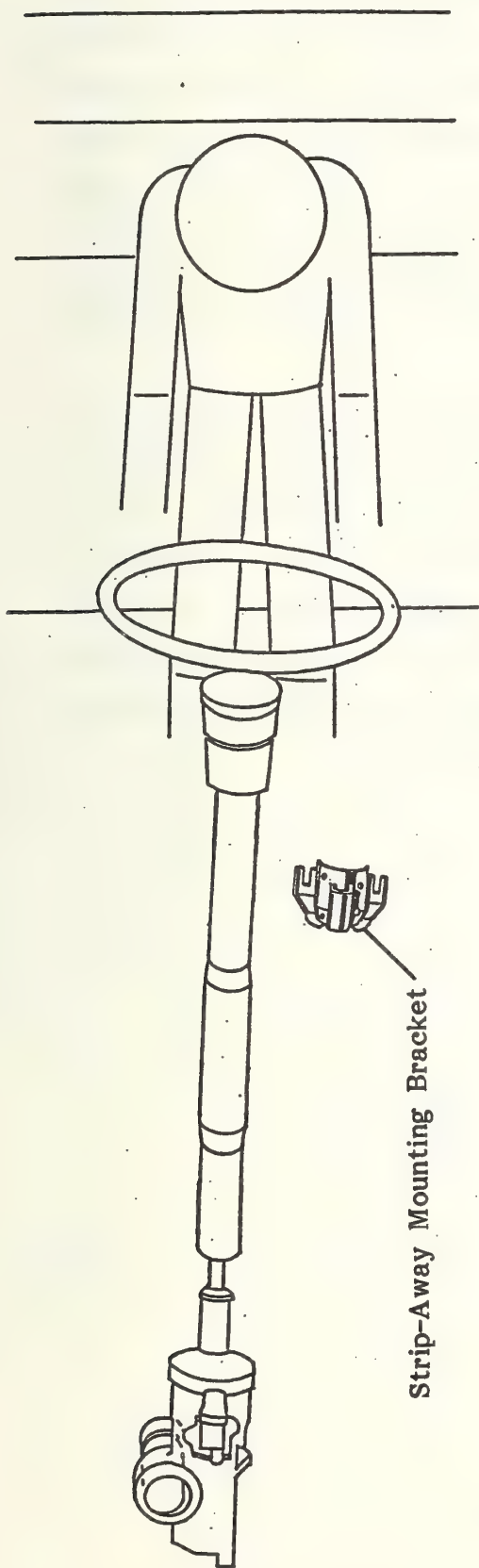


Figure B
Typical Post-Standard Steering System (Early Trend)

CURRENT DESIGN

All of the cars studied have made extensive changes since the original Post-Standard vehicles. Every car in the sample used an intermediate steering shaft and two universal joints. The advantages of an additional universal joint and shaft assembly are: manifold, misalignment correction, more efficient torsional effort transfer, steering gear location much less critical, more efficient noise and vibration isolation, more positive deterrent to steering shaft intrusion into the passenger compartment (Standard 204), and the intermediate shaft and two universal joints are necessary components of a rack and pinion steering system because of the relative position of the steering column and the pinion shaft (Figure C).

All of the manufacturers have developed their own method of providing a closely controlled energy absorbing column. Most of the methods used involve shearing a plastic pin or ring as downward loads approach 2,500 pounds (Standard 203's maximum limit), and then some form of metal deformation as the load continues to telescope the column downward (Figure D). Apparently, automobile manufacturers found that shearing forces are much more dependable than frictional forces and are not as severely affected by oily or rusty surface conditions, and required less stringent tolerances.

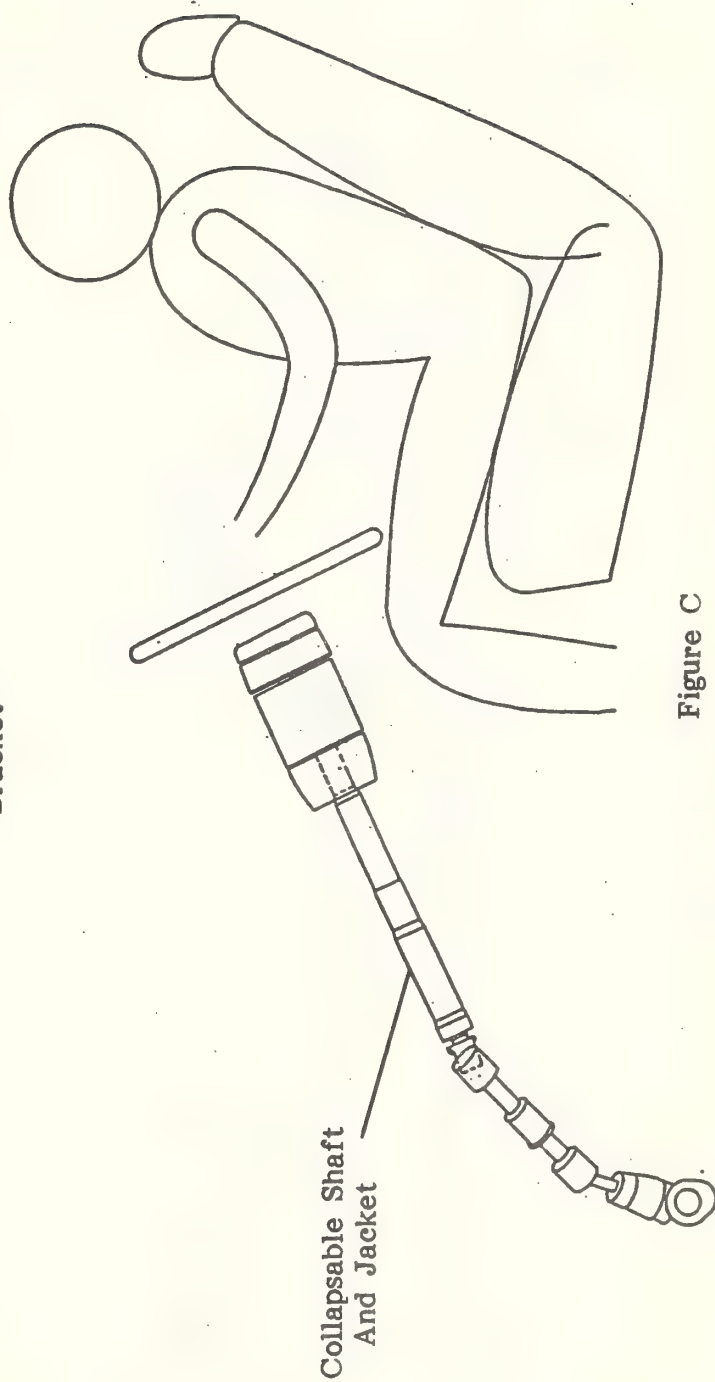
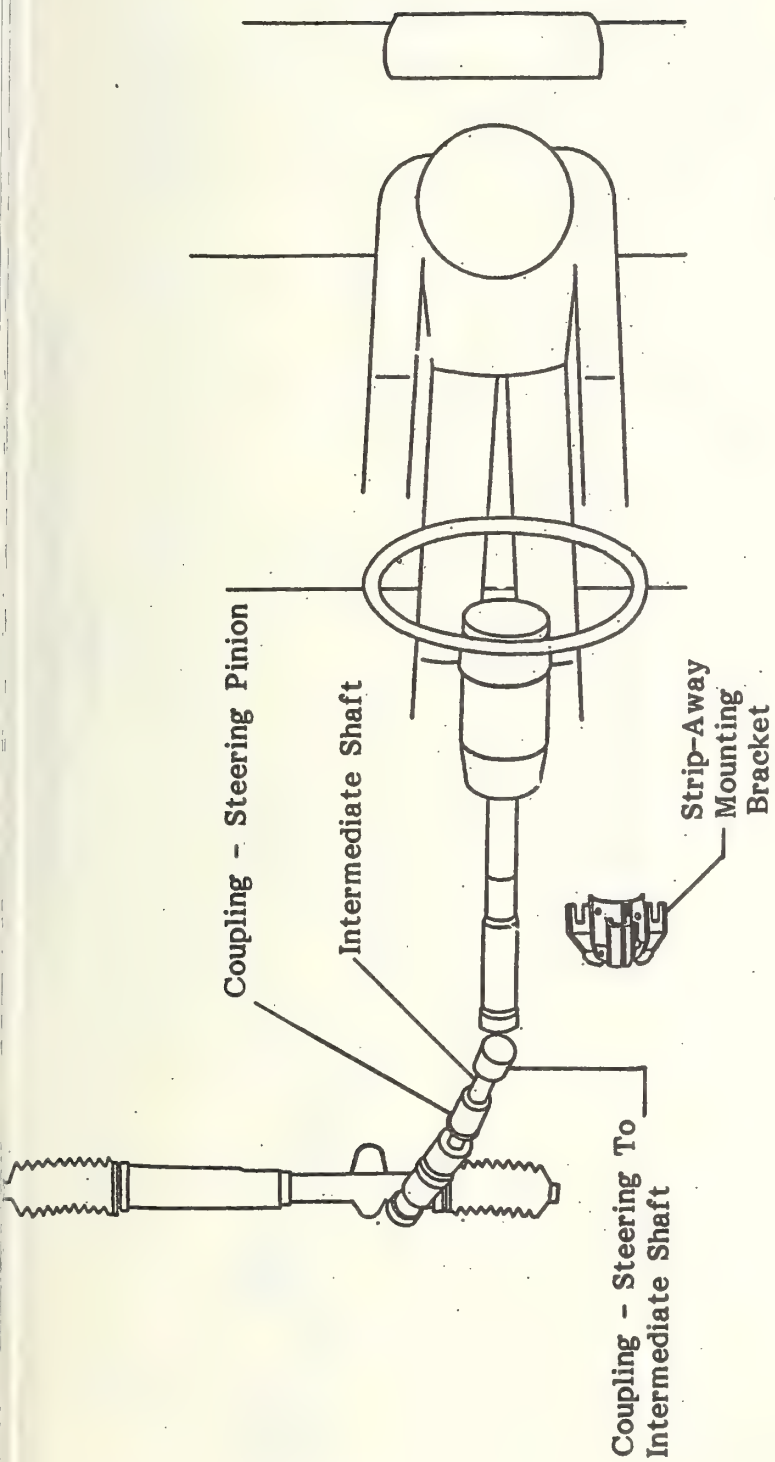


Figure C
 Rack And Pinion Steering System

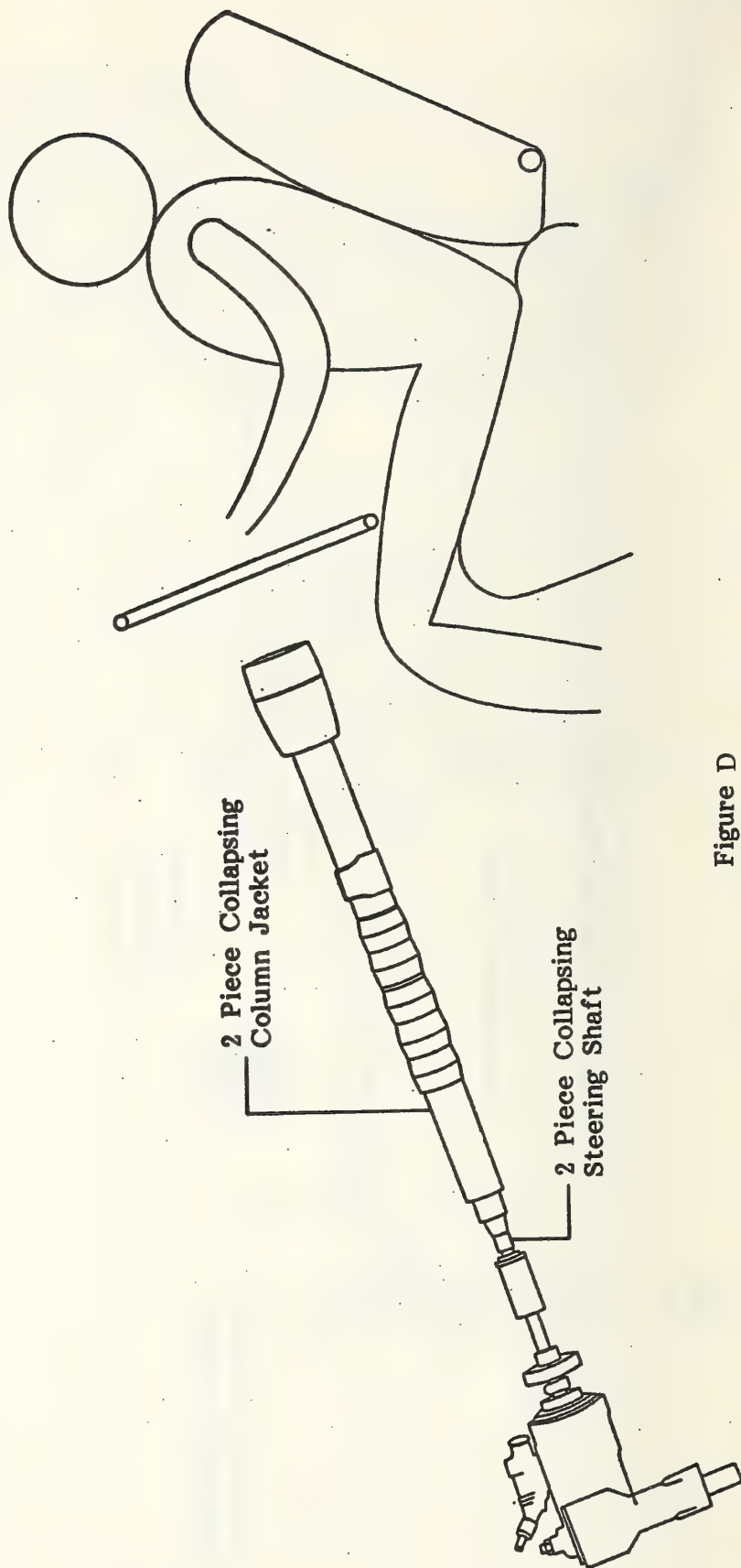
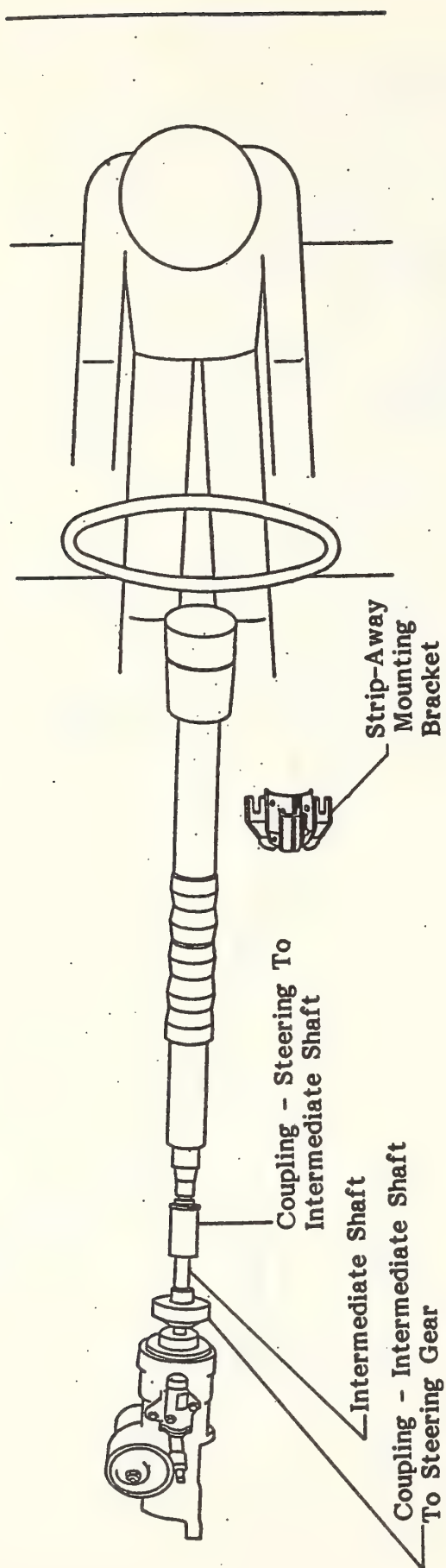


Figure D
Post-Standard Steering System (Late Trend)

SHIFT TUBE ASSEMBLY

Four of the cars studied use a standard floor shift (Mustang, Alliance, Tercel and Sentra) and no column shift tube is required.

The three Chevrolet and three Chrysler models have shifting tubes of similar construction and cost, approximately \$2.00 each.

Ford's LTD and Crown Victoria use a solid steel bar for a \$1.50 penalty, in place of the lower shift tube used by Chevrolet and Chrysler. Ford's Crown Victoria's design calls for an additional lower shifting tube bearing for an additional \$.75 penalty.

TABLE 1

SHIFT TUBE ASSEMBLY

VEHICLE MAKE/MODEL PART #	NO.	COST	WT. LB.	\$/LB.	SHIFT TUBE UPPER MATL COST (02)	SHIFT TUBE LOWER MATL COST (05)	SHAFT MATL COST (14)	BUSHING OR BEARING MATL COST (16)	MOUNTING BRACKET MATL COST (04)	OTHER * COST
Chevrolet Caprice	1	2.16	1.85	1.17	CRS	CRS	0.92	0.82		0.42
Chevrolet Malibu	2	2.11	1.70	1.24	STTB	STTB	0.75	0.85		0.51
Chevrolet Cavalier	3	1.74	1.21	1.44	STTB	STTB	0.67	0.58		0.49
Ford Crown Victoria	4	4.37	3.73	1.17	—	STTB	0.63	CRS	2.06	0.59
Ford LTD	5	3.50	3.49	1.00	—	HRS	0.40	CRS	2.06	0.67
Ford Mustang	6	—	—	—	—	—	—	—	—	—
Chrysler Fifth Ave.	7	1.94	1.09	1.78	STTB	STTB	0.72	0.59		0.63
Chrysler "E" Class	8	1.94	1.09	1.78	STTB	STTB	0.72	0.59		0.63
Plymouth Reliant	9	1.94	1.09	1.78	STTB	STTB	0.72	0.59		0.63
AMC Renault/Alliance	10	—	—	—	—	—	—	—		—
Toyota Tercel	11	—	—	—	—	—	—	—		—
Nissan Sentra	12	—	—	—	—	—	—	—		—

*This chart contains a list of parts whose costs have a significant effect on the cost difference of the safety features between car lines.

Other costs include those remaining components whose cost varies little from car to car.

TABLE 2

SHIFT TUBE ASSEMBLY

VEHICLE MAKE/MODEL	VEHICLE NO.	A SAFETY SYSTEM COST	B NO. OF VEHICLES PRODUCED	C WEIGHTED COST (A X B)
Chevrolet Caprice	1	\$2.16	676,907	\$1,462,119
Chevrolet Malibu	2	2.11	978,105	2,063,801
Chevrolet Cavalier	3	1.74	1,168,189	2,032,648
Ford Crown Victoria	4	4.37	152,454	666,223
Ford LTD	5	3.50	420,858	1,473,003
Ford Mustang	6	---	219,159	---
Chrysler Fifth Ave.	7	1.94	123,684	239,946
Chrysler "E" Class	8	1.94	119,009	230,887
Plymouth Reliant	9	1.94	338,652	656,984
AMC Renault/Alliance	10	---	142,205	---
Toyota Tercel	11	---	147,965	---
Nissan Sentra	12	---	<u>209,889</u>	<u>---</u>
			4,697,076	\$8,825,611

Safety System Weighted Average Cost = \$1.88.

Safety System Weighted Average Cost - Column B Total Divided By Column A Total.

MOUNTING BRACKETS AND COLUMN JACKETS

Steering column mounting brackets for most current vehicles are designed to hold the column in place under any reasonable load other than a downward axial load approaching 2,500 pounds at which point it is stripped away from the instrument panel and allows the steering shaft, column jacket and shifting tube (if there is one) to collapse at a controlled rate.

Ford's lower column mounting bracket is fastened securely to the instrument panel and under a given load (approximately 2,500 pounds) the steering column jacket moves through the mounting bracket which forms (6) grooves in the jacket thus absorbing energy and reducing impact forces on the driver's chest in a frontal collision.

TABLE 3

STEERING COLUMN MOUNTING BRACKET ASSEMBLY

VEHICLE MAKE/MODEL	PART #	NO.	COST	WT. LB.	\$/LB.	MTG. BRKT MATL COST (42 & 43)	LOWER MTG. BRKT. MATL COST (51)	ASSY COST	OTHER *
Chevrolet Caprice	1	1	0.79	1.33	0.59	HRS	0.56	0.09	0.14
Chevrolet Malibu	2	2	0.76	1.27	0.60	HRS	0.56	0.09	0.11
Chevrolet Cavalier	3	3	0.78	0.98	0.80	HRS	0.45	0.09	0.24
Ford Crown Victoria	4	4	2.02	1.99	1.02	HRS	0.21	0.43	0.23
Ford LTD	5	5	2.02	1.99	1.02	HRS	0.21	0.43	0.23
Ford Mustang	6	6	2.02	3.14	0.77	HRS	0.21	0.43	0.23
Chrysler Fifth Ave.	7	7	1.49	2.00	0.75	HRS	0.39	0.07	0.06
Chrysler "E" Class	8	8	1.49	2.00	0.75	HRS	0.39	0.07	0.06
Plymouth Reliant	9	9	1.52	2.04	0.75	HRS	0.39	0.07	0.09
AMC Renault/Alliance	10	10	0.22	0.57	0.39	HRS	0.22	—	—
Toyota Tercel	11	11	1.28	1.67	0.77	HRS	1.00	0.13	0.15
Nissan Sentra	12	12	0.43	0.61	0.70	G/ST	0.33	0.07	0.03

*This chart contains a list of parts whose costs have a significant effect on the cost difference of the safety features between car lines.

Other Costs include those remaining components whose cost varies little from car to car.

TABLE 4**STEERING COLUMN MOUNTING BRACKET ASSEMBLY**

VEHICLE MAKE/MODEL	VEHICLE NO.	A SAFETY SYSTEM COST	B NO. OF VEHICLES PRODUCED	C WEIGHTED COST (A X B)
Chevrolet Caprice	1	\$0.79	676,907	\$ 534,754
Chevrolet Malibu	2	0.76	978,105	743,360
Chevrolet Cavalier	3	0.78	1,168,189	911,187
Ford Crown Victoria	4	2.02	152,454	307,975
Ford LTD	5	2.02	420,858	850,133
Ford Mustang	6	2.02	219,159	442,701
Chrysler Fifth Ave.	7	1.49	123,684	184,289
Chrysler "E" Class	8	1.49	119,009	177,323
Plymouth Reliant	9	1.52	338,652	514,751
AMC Renault/Alliance	10	0.22	142,205	31,285
Toyota Tercel	11	1.28	147,965	189,395
Nissan Sentra	12	0.43	<u>209,889</u>	<u>90,252</u>
			4,697,076	\$4,887,138

Safety System Weighted Average Cost = \$1.04.

Safety System Weighted Average Cost - Column B Total Divided By Column A Total.

TABLE 5

STEERING COLUMN JACKET ASSEMBLY

VEHICLE MAKE/MODEL PART #	NO.	COST	WT. LB.	\$/LB.	JACKET UPPER MATL COST (22)	JACKET LOWER MATL COST (35)	SPRING MATL COST (28)	JACKET SLEEVE MATL COST (33)	BEARING MATL COST (32)	OTHER* COST
Chevrolet Caprice	1	3.12	4.37	0.87	HRS 0.97	HRS 0.88	STWR 0.08	PLYP 0.33	—	0.86
Chevrolet Malibu	2	3.06	4.20	0.89	HRS 0.97	HRS 0.82	STWR 0.08	PLYP 0.33	—	0.86
Chevrolet Cavalier	3	3.26	2.56	1.54	HRS 0.77	HRS 0.58	STWR 0.08	PLYP 0.27	STL 0.75	0.81
Ford Crown Victoria	4	3.41	1.88	1.81	HRS 1.97	—	—	—	STL 0.75	0.69
Ford LTD	5	3.31	1.73	1.91	HRS 1.86	—	—	—	STL 0.75	0.70
Ford Mustang	6	2.90	1.73	1.68	HRS 1.86	—	—	—	STL 0.75	0.29
Chrysler Fifth Ave.	7	1.93	1.79	1.08	CRS 0.82	—	—	HRS 0.45	—	0.66
Chrysler "E" Class	8	1.93	1.79	1.08	CRS 0.82	—	—	HRS 0.45	—	0.66
Plymouth Reliant	9	1.93	1.79	1.08	CRS 0.82	—	—	HRS 0.45	—	0.66
AMC Renalut/Alliance	10	1.13	0.85	1.33	STTB 0.97	—	—	—	—	0.16
Toyota Tercel	11	1.68	0.86	1.95	STTB 0.70	—	—	—	—	0.98
Nissan Sentra	12	1.64	1.03	1.59	STTB 0.81	—	—	—	—	0.83

*This chart contains a list of parts whose costs have a significant effect on the cost difference of the safety features between car lines.

Other costs include those remaining components whose cost varies little from car to car.

TABLE 6**STEERING COLUMN JACKET ASSEMBLY**

VEHICLE MAKE/MODEL	VEHICLE NO.	A SAFETY SYSTEM COST	B NO. OF VEHICLES PRODUCED	C WEIGHTED COST (A X B)
Chevrolet Caprice	1	\$3.12	676,907	\$ 2,111,950
Chevrolet Malibu	2	3.06	978,105	2,993.001
Chevrolet Cavalier	3	3.26	1,168,189	3,808,296
Ford Crown Victoria	4	3.41	152,454	519,868
Ford LTD	5	3.31	420,858	1,393,040
Ford Mustang	6	2.90	219,159	635,561
Chrysler Fifth Ave.	7	1.93	123,684	238,710
Chrysler "E" Class	8	1.93	119,009	229,687
Plymouth Reliant	9	1.93	338,652	653,598
AMC Renault/Alliance	10	1.13	142,205	160,692
Toyota Tercel	11	1.68	147,965	248,581
Nissan Sentra	12	1.64	<u>209,889</u>	<u>334,217</u>
			4,697,076	\$13,337,203

Safety System Weighted Average Cost = \$2.84.

Safety System Weighted Average Cost - Column B Total Divided By Column A Total.

STEERING (UPPER) AND INTERMEDIATE SHAFTS

In previous studies and in manufacturer's part manuals, the steering shaft and intermediate or lower shaft have a separate bill of material, and are purchased as separate assemblies. This kind of part grouping is good for comparing different years of the same make and model, however, when comparing costs across carlines, it may be easier to consider the steering shaft and intermediate shaft as one cost unit.

The systems in this sampling all have a steering (upper) shaft, an intermediate (lower) shaft and two universal joints. The three Chrysler cars, Toyota and Nissan include their upper universal with the (upper) steering shaft because the upper yoke of the universal is welded to or forged integral with the steering shaft. The other seven cars include both couplings with the intermediate shaft. There are five different types of universal joints. The most expensive is the forged cross joint (\$3.00 to \$4.00) used for both joints on the Cavalier, Fifth Ave., Sentra and Tercel, and for the upper joint on the Alliance. A "pot" type joint (\$1.62) is used for the Chevrolet Caprice and Malibu.

Chrysler's "E" Class and Reliant use a block and cross pin type for both intermediate shaft joints, they are similar in design to the forged cross joint but slightly less costly.

Ford uses a block and cross pin type for the upper joint on the LTD and Mustang. A "rag" type (actually fabric reinforced neoprene or plastic) (\$1.75) coupling is used for the lower joint on the three Ford models and Caprice and Malibu.

The Alliance is by far the least expensive in this area (\$1.25 under the Mustang and \$5.30 less than the Cavalier). Alliance's cost advantage is due to some very effective cost reductions. It's the only car with a one piece steering shaft, and instead of upper and lower shaft to jacket bearings, Alliance uses a pair of metal sleeves bonded inside rubber bushings to maintain concentricity and reduce friction. Their one piece non-collapsible column jacket is the least expensive and \$1.47 under the average sample column. Alliance is one of four cars in the study with standard floor shifts (Mustang, Tercel and Sentra are the other three), which eliminates the need for a shifting tube assembly.

TABLE 7

STEERING SHAFT ASSEMBLY

VEHICLE MAKE/MODEL PART #	NO.	COST	WT. LB.	\$/LB.	UPPER MATL COST (02)	LOWER MATL COST (04)	UPPER SHAFT BEARING MATL COST (10)	UNIV. JOINT MATL COST (12 & 13)	LOWER SHAFT BEARING MATL COST (17)	LOWER SHAFT SPRING MATL COST	OTHER* COST
Chevrolet Caprice	1	3.20	3.77	0.85	CRS 1.38	HRS 0.83	STL 0.60				0.39
Chevrolet Malibu	2	3.40	3.82	0.89	CRS 1.50	HRS 0.84	STL 0.60				0.46
Chevrolet Cavalier	3	2.97	2.81	1.06	CRS 1.42	STTB 0.53	STL 0.60				0.42
Ford Crown Victoria	4	5.28	4.01	1.32	CRS 1.55	STTB 1.33	STL 0.55		STL 0.85		1.00
Ford LTD	5	4.43	3.86	1.15	CRS 1.55	STTB 1.33	STL 0.55				1.00
Ford Mustang	6	3.59	3.55	1.01	CRS 1.47	HRS 0.68	STL 0.55				0.89
Chrysler Fifth Ave.	7	5.98	3.12	2.13	CRS 1.19	STTB 0.44	STL 0.55	VAR 2.43	STL 0.80	STL 0.08	0.49
Chrysler "E" Class	8	6.29	3.19	2.18	CRS 1.15	HRS 0.43	STL 0.55	VAR 2.77	STL 0.80	STL 0.08	0.51
Plymouth Reliant	9	6.29	3.19	2.18	CRS 1.15	HRS 0.43	STL 0.55	VAR 2.77	STL 0.80	STL 0.08	0.51
AMC Renault/Alliance	10	1.11	0.92	1.21	STTB 0.68	—	—	—	—	—	0.43
Toyota Tercel	11	9.13	4.26	2.14	CRS 1.27	STTB 0.60	STL 0.65	VAR 4.26	STL 0.95	—	1.40
Nissan Sentra	12	6.81	3.20	2.13	CRS 1.05	HRS 0.49	STL 0.55	VAR 3.12	—	—	1.60

*This chart contains a list of parts whose costs have a significant effect on the cost difference of the safety features between car lines.

Other Costs include those remaining components whose cost varies little from car to car.

TABLE 8**STEERING SHAFT ASSEMBLY**

VEHICLE MAKE/MODEL	VEHICLE NO.	A SAFETY SYSTEM COST	B NO. OF VEHICLES PRODUCED	C WEIGHTED COST (A X B)
Chevrolet Caprice	1	\$3.20	676,907	\$ 2,166,102
Chevrolet Malibu	2	3.40	978,105	3,325,557
Chevrolet Cavalier	3	2.97	1,168,189	3,469,521
Ford Crown Victoria	4	5.28	152,454	804,957
Ford LTD	5	4.43	420,858	1,864,401
Ford Mustang	6	3.59	219,159	786,781
Chrysler Fifth Ave.	7	5.98	123,684	739,630
Chrysler "E" Class	8	6.29	119,009	748,567
Plymouth Reliant	9	6.29	338,652	2,130,121
AMC Renault/Alliance	10	1.11	142,205	157,848
Toyota Tercel	11	9.13	147,965	1,350,920
Nissan Sentra	12	6.81	<u>209,889</u>	<u>1,429,344</u>
			4,697,076	\$18,973,750

Safety System Weighted Average Cost = \$4.04.

Safety System Weighted Average Cost - Column B Total Divided By Column A Total.

TABLE 9

INTERMEDIATE STEERING SHAFT ASSEMBLY

VEHICLE MAKE/MODEL	NO.	COST	WT. LB.	\$/LB.	UPPER SHAFT MATL COST	INTERM. SHAFT MATL COST	LOWER SHAFT MATL COST	UPPER SHAFT COUPLING MATL COST	LOWER COUPLING MATL COST	ASSY COST	OTHER** COST
Chevrolet Caprice	1	7.99	4.48	1.78	CRS	1.40	HRS 0.48	VAR 1.62	VAR 1.71	2.27	0.51
Chevrolet Malibu	2	7.77	4.05	1.92	CRS	1.20	STTB 0.61	VAR 1.56	VAR 1.71	2.27	0.42
Chevrolet Cavalier	3	11.07	2.65	4.18	CRS	1.03	STTB 0.09	VAR 3.98	VAR 4.15	1.60	0.22
Ford Crown Victoria	4	8.08	4.34	1.86	CRS	0.80	STTB 0.53	VAR 1.90	VAR 1.92	1.52	0.26
Ford LTD	5	6.41	3.20	2.00	CRS	0.80	CRS 0.66	VAR 1.90	VAR 1.73	1.20	0.12
Ford Mustang	6	6.41	3.20	2.00	CRS	0.80	CRS 0.66	VAR 1.90	VAR 1.73	1.20	0.12
Chrysler Fifth Ave.	7	7.13	2.30	3.10	STTB	0.31	HRS 0.60	VAR 3.73	VAR 3.75	1.04	0.41
Chrysler "E" Class	8	7.07	2.41	2.93	STTB	0.31	CRS 1.17	HRS 0.28*	VAR 3.75	1.04	0.52
Plymouth Reliant	9	7.06	2.41	2.93	STTB	0.31	CRS 1.17	HRS 0.28*	VAR 3.75	1.04	0.51
AMC Reliant/Alliance	10	7.62	2.53	3.01	STTB	0.48	CRS 0.84	VAR 3.60	VAR 1.17	1.52	0.01
Toyota Tercel	11	4.91	1.36	3.61	—	—	STL 0.86	VAR 3.65	VAR 3.65	0.40	—
Nissan Sentra	12	5.19	1.25	4.15	—	—	STL 1.14	VAR 3.65	VAR 3.65	0.40	—

*Upper Coupling - Lower Yoke Only.

**This chart contains a list of parts whose costs have a significant effect on the cost difference of the safety features between car lines.

Other costs include those remaining components whose cost varies little from car to car.

TABLE 10**INTERMEDIATE STEERING SHAFT ASSEMBLY**

VEHICLE MAKE/MODEL	VEHICLE NO.	A SAFETY SYSTEM COST	B NO. OF VEHICLES PRODUCED	C WEIGHTED COST (A X B)
Chevrolet Caprice	1	\$ 7.99	676,907	\$ 5,408,487
Chevrolet Malibu	2	7.77	978,105	7,599,876
Chevrolet Cavalier	3	11.07	1,168,189	12,931,852
Ford Crown Victoria	4	8.08	152,454	1,231,828
Ford LTD	5	6.41	420,858	2,697,670
Ford Mustang	6	6.41	219,159	1,404,809
Chrysler Fifth Ave.	7	7.13	123,684	881,867
Chrysler "E" Class	8	7.07	119,009	841,394
Plymouth Reliant	9	7.06	338,652	2,390,883
AMC Renault/Alliance	10	7.62	142,205	1,083,602
Toyota Tercel	11	4.91	147,965	726,508
Nissan Sentra	12	5.19	<u>209,889</u>	<u>1,089,324</u>
			4,697,076	\$38,288,130

Safety System Weighted Average Cost = \$8.15.

Safety System Weighted Average Cost - Column B Total Divided By Column A Total.

NUMERICAL ORDER

MATERIAL	TYPE	MATERIAL DESCRIPTION	MATERIAL	TYPE	MATERIAL DESCRIPTION	MATERIAL	TYPE	MATERIAL DESCRIPTION
ACE	ADHE	ACETATE	37	FM	POWDERED METAL	71	STEEL	STEEL & BRASS
AL	AL	ALUMINUM	38	SMC	RUBBER	72	STEEL	STEEL & BRONZE
AS	AS	ADHESIVE	39	SLC	SHEET HOLDING COMPOUND	73	STEEL	STEEL & RUBBER
BR	BR	BRASS	40	SLV	SILVER	74	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	41	SLV	SILVER	75	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	42	SLV	SILVER	76	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	43	SLV	SILVER	77	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	44	SLV	SILVER	78	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	45	SLV	SILVER	79	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	46	SLV	SILVER	80	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	47	SLV	SILVER	81	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	48	SLV	SILVER	82	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	49	SLV	SILVER	83	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	50	SLV	SILVER	84	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	51	SLV	SILVER	85	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	52	SLV	SILVER	86	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	53	SLV	SILVER	87	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	54	SLV	SILVER	88	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	55	SLV	SILVER	89	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	56	SLV	SILVER	90	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	57	SLV	SILVER	91	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	58	SLV	SILVER	92	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	59	SLV	SILVER	93	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	60	SLV	SILVER	94	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	61	SLV	SILVER	95	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	62	SLV	SILVER	96	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	63	SLV	SILVER	97	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	64	SLV	SILVER	98	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	65	SLV	SILVER	99	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	66	SLV	SILVER	100	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	67	SLV	SILVER	101	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	68	SLV	SILVER	102	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	69	SLV	SILVER	103	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	70	SLV	SILVER	104	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	71	SLV	SILVER	105	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	72	SLV	SILVER	106	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	73	SLV	SILVER	107	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	74	SLV	SILVER	108	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	75	SLV	SILVER	109	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	76	SLV	SILVER	110	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	77	SLV	SILVER	111	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	78	SLV	SILVER	112	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	79	SLV	SILVER	113	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	80	SLV	SILVER	114	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	81	SLV	SILVER	115	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	82	SLV	SILVER	116	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	83	SLV	SILVER	117	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	84	SLV	SILVER	118	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	85	SLV	SILVER	119	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	86	SLV	SILVER	120	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	87	SLV	SILVER	121	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	88	SLV	SILVER	122	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	89	SLV	SILVER	123	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	90	SLV	SILVER	124	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	91	SLV	SILVER	125	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	92	SLV	SILVER	126	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	93	SLV	SILVER	127	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	94	SLV	SILVER	128	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	95	SLV	SILVER	129	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	96	SLV	SILVER	130	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	97	SLV	SILVER	131	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	98	SLV	SILVER	132	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	99	SLV	SILVER	133	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	100	SLV	SILVER	134	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	101	SLV	SILVER	135	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	102	SLV	SILVER	136	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	103	SLV	SILVER	137	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	104	SLV	SILVER	138	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	105	SLV	SILVER	139	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	106	SLV	SILVER	140	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	107	SLV	SILVER	141	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	108	SLV	SILVER	142	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	109	SLV	SILVER	143	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	110	SLV	SILVER	144	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	111	SLV	SILVER	145	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	112	SLV	SILVER	146	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	113	SLV	SILVER	147	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	114	SLV	SILVER	148	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	115	SLV	SILVER	149	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	116	SLV	SILVER	150	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	117	SLV	SILVER	151	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	118	SLV	SILVER	152	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	119	SLV	SILVER	153	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	120	SLV	SILVER	154	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	121	SLV	SILVER	155	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	122	SLV	SILVER	156	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	123	SLV	SILVER	157	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	124	SLV	SILVER	158	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	125	SLV	SILVER	159	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	126	SLV	SILVER	160	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	127	SLV	SILVER	161	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	128	SLV	SILVER	162	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	129	SLV	SILVER	163	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	130	SLV	SILVER	164	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	131	SLV	SILVER	165	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	132	SLV	SILVER	166	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	133	SLV	SILVER	167	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	134	SLV	SILVER	168	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	135	SLV	SILVER	169	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	136	SLV	SILVER	170	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	137	SLV	SILVER	171	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	138	SLV	SILVER	172	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	139	SLV	SILVER	173	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	140	SLV	SILVER	174	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	141	SLV	SILVER	175	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	142	SLV	SILVER	176	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	143	SLV	SILVER	177	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	144	SLV	SILVER	178	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	145	SLV	SILVER	179	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	146	SLV	SILVER	180	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	147	SLV	SILVER	181	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	148	SLV	SILVER	182	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	149	SLV	SILVER	183	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	150	SLV	SILVER	184	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	151	SLV	SILVER	185	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	152	SLV	SILVER	186	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	153	SLV	SILVER	187	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	154	SLV	SILVER	188	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	155	SLV	SILVER	189	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	156	SLV	SILVER	190	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	157	SLV	SILVER	191	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	158	SLV	SILVER	192	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	159	SLV	SILVER	193	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	160	SLV	SILVER	194	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	161	SLV	SILVER	195	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	162	SLV	SILVER	196	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	163	SLV	SILVER	197	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	164	SLV	SILVER	198	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	165	SLV	SILVER	199	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	166	SLV	SILVER	200	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	167	SLV	SILVER	201	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	168	SLV	SILVER	202	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	169	SLV	SILVER	203	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	170	SLV	SILVER	204	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	171	SLV	SILVER	205	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	172	SLV	SILVER	206	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	173	SLV	SILVER	207	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	174	SLV	SILVER	208	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	175	SLV	SILVER	209	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	176	SLV	SILVER	210	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	177	SLV	SILVER	211	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	178	SLV	SILVER	212	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	179	SLV	SILVER	213	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	180	SLV	SILVER	214	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	181	SLV	SILVER	215	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	182	SLV	SILVER	216	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	183	SLV	SILVER	217	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	184	SLV	SILVER	218	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	185	SLV	SILVER	219	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	186	SLV	SILVER	220	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	187	SLV	SILVER	221	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	188	SLV	SILVER	222	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	189	SLV	SILVER	223	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	190	SLV	SILVER	224	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	191	SLV	SILVER	225	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	192	SLV	SILVER	226	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	193	SLV	SILVER	227	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	194	SLV	SILVER	228	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	195	SLV	SILVER	229	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	196	SLV	SILVER	230	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	197	SLV	SILVER	231	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	198	SLV	SILVER	232	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	199	SLV	SILVER	233	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	200	SLV	SILVER	234	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	201	SLV	SILVER	235	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	202	SLV	SILVER	236	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	203	SLV	SILVER	237	STEEL	STEEL & ALUMINUM
BR	BR	BRASS	204	SLV	SILVER	23		

ALPHABETICAL ORDER

MAT'L. NAME	CODE	ABBR.	MAT'L. NAME	CODE	ABBR.	MAT'L. NAME	CODE	ABBR.	MAT'L. NAME	CODE	ABBR.
ABS PLASTIC	80	ABS	GOLD	05	GOLD	STEEL	38	STEEL	ALUMINUM	38	STEEL
ACRYLIC	81	ACKY	HELIUM	25	HELA	STEEL	70	STEEL	ALUMINUM	70	STEEL
ADHESIVE	82	ADHST	HOT ROLLED STEEL	55	HRLS	STEEL	71	STEEL	ALUMINUM	71	STEEL
ALUMINUM	83	ALST	LEAD	56	LEAD	STEEL	72	STEEL	ALUMINUM	72	STEEL
ALUMINUM	84	ALST	LEAD PLASTIC & ACID	57	LEAP	STEEL	73	STEEL	ALUMINUM	73	STEEL
ALUMINUM	85	ALST	LEAD PLASTIC & ACID	58	LEAP	STEEL	74	STEEL	ALUMINUM	74	STEEL
ALUMINUM	86	ALST	LEAD PLASTIC & ACID	59	LEAP	STEEL	75	STEEL	ALUMINUM	75	STEEL
ALUMINUM	87	ALST	LEAD PLASTIC & ACID	60	LEAP	STEEL	76	STEEL	ALUMINUM	76	STEEL
ALUMINUM	88	ALST	LEAD PLASTIC & ACID	61	LEAP	STEEL	77	STEEL	ALUMINUM	77	STEEL
ALUMINUM	89	ALST	LEAD PLASTIC & ACID	62	LEAP	STEEL	78	STEEL	ALUMINUM	78	STEEL
ALUMINUM	90	ALST	LEAD PLASTIC & ACID	63	LEAP	STEEL	79	STEEL	ALUMINUM	79	STEEL
ALUMINUM	91	ALST	LEAD PLASTIC & ACID	64	LEAP	STEEL	80	STEEL	ALUMINUM	80	STEEL
ALUMINUM	92	ALST	LEAD PLASTIC & ACID	65	LEAP	STEEL	81	STEEL	ALUMINUM	81	STEEL
ALUMINUM	93	ALST	LEAD PLASTIC & ACID	66	LEAP	STEEL	82	STEEL	ALUMINUM	82	STEEL
ALUMINUM	94	ALST	LEAD PLASTIC & ACID	67	LEAP	STEEL	83	STEEL	ALUMINUM	83	STEEL
ALUMINUM	95	ALST	LEAD PLASTIC & ACID	68	LEAP	STEEL	84	STEEL	ALUMINUM	84	STEEL
ALUMINUM	96	ALST	LEAD PLASTIC & ACID	69	LEAP	STEEL	85	STEEL	ALUMINUM	85	STEEL
ALUMINUM	97	ALST	LEAD PLASTIC & ACID	70	LEAP	STEEL	86	STEEL	ALUMINUM	86	STEEL
ALUMINUM	98	ALST	LEAD PLASTIC & ACID	71	LEAP	STEEL	87	STEEL	ALUMINUM	87	STEEL
ALUMINUM	99	ALST	LEAD PLASTIC & ACID	72	LEAP	STEEL	88	STEEL	ALUMINUM	88	STEEL
ALUMINUM	00	ALST	LEAD PLASTIC & ACID	73	LEAP	STEEL	89	STEEL	ALUMINUM	89	STEEL
ALUMINUM	01	ALST	LEAD PLASTIC & ACID	74	LEAP	STEEL	90	STEEL	ALUMINUM	90	STEEL
ALUMINUM	02	ALST	LEAD PLASTIC & ACID	75	LEAP	STEEL	91	STEEL	ALUMINUM	91	STEEL
ALUMINUM	03	ALST	LEAD PLASTIC & ACID	76	LEAP	STEEL	92	STEEL	ALUMINUM	92	STEEL
ALUMINUM	04	ALST	LEAD PLASTIC & ACID	77	LEAP	STEEL	93	STEEL	ALUMINUM	93	STEEL
ALUMINUM	05	ALST	LEAD PLASTIC & ACID	78	LEAP	STEEL	94	STEEL	ALUMINUM	94	STEEL
ALUMINUM	06	ALST	LEAD PLASTIC & ACID	79	LEAP	STEEL	95	STEEL	ALUMINUM	95	STEEL
ALUMINUM	07	ALST	LEAD PLASTIC & ACID	80	LEAP	STEEL	96	STEEL	ALUMINUM	96	STEEL
ALUMINUM	08	ALST	LEAD PLASTIC & ACID	81	LEAP	STEEL	97	STEEL	ALUMINUM	97	STEEL
ALUMINUM	09	ALST	LEAD PLASTIC & ACID	82	LEAP	STEEL	98	STEEL	ALUMINUM	98	STEEL
ALUMINUM	10	ALST	LEAD PLASTIC & ACID	83	LEAP	STEEL	99	STEEL	ALUMINUM	99	STEEL
ALUMINUM	11	ALST	LEAD PLASTIC & ACID	84	LEAP	STEEL	00	STEEL	ALUMINUM	00	STEEL
ALUMINUM	12	ALST	LEAD PLASTIC & ACID	85	LEAP	STEEL	01	STEEL	ALUMINUM	01	STEEL
ALUMINUM	13	ALST	LEAD PLASTIC & ACID	86	LEAP	STEEL	02	STEEL	ALUMINUM	02	STEEL
ALUMINUM	14	ALST	LEAD PLASTIC & ACID	87	LEAP	STEEL	03	STEEL	ALUMINUM	03	STEEL
ALUMINUM	15	ALST	LEAD PLASTIC & ACID	88	LEAP	STEEL	04	STEEL	ALUMINUM	04	STEEL
ALUMINUM	16	ALST	LEAD PLASTIC & ACID	89	LEAP	STEEL	05	STEEL	ALUMINUM	05	STEEL
ALUMINUM	17	ALST	LEAD PLASTIC & ACID	90	LEAP	STEEL	06	STEEL	ALUMINUM	06	STEEL
ALUMINUM	18	ALST	LEAD PLASTIC & ACID	91	LEAP	STEEL	07	STEEL	ALUMINUM	07	STEEL
ALUMINUM	19	ALST	LEAD PLASTIC & ACID	92	LEAP	STEEL	08	STEEL	ALUMINUM	08	STEEL
ALUMINUM	20	ALST	LEAD PLASTIC & ACID	93	LEAP	STEEL	09	STEEL	ALUMINUM	09	STEEL
ALUMINUM	21	ALST	LEAD PLASTIC & ACID	94	LEAP	STEEL	10	STEEL	ALUMINUM	10	STEEL
ALUMINUM	22	ALST	LEAD PLASTIC & ACID	95	LEAP	STEEL	11	STEEL	ALUMINUM	11	STEEL
ALUMINUM	23	ALST	LEAD PLASTIC & ACID	96	LEAP	STEEL	12	STEEL	ALUMINUM	12	STEEL
ALUMINUM	24	ALST	LEAD PLASTIC & ACID	97	LEAP	STEEL	13	STEEL	ALUMINUM	13	STEEL
ALUMINUM	25	ALST	LEAD PLASTIC & ACID	98	LEAP	STEEL	14	STEEL	ALUMINUM	14	STEEL
ALUMINUM	26	ALST	LEAD PLASTIC & ACID	99	LEAP	STEEL	15	STEEL	ALUMINUM	15	STEEL
ALUMINUM	27	ALST	LEAD PLASTIC & ACID	00	LEAP	STEEL	16	STEEL	ALUMINUM	16	STEEL
ALUMINUM	28	ALST	LEAD PLASTIC & ACID	01	LEAP	STEEL	17	STEEL	ALUMINUM	17	STEEL
ALUMINUM	29	ALST	LEAD PLASTIC & ACID	02	LEAP	STEEL	18	STEEL	ALUMINUM	18	STEEL
ALUMINUM	30	ALST	LEAD PLASTIC & ACID	03	LEAP	STEEL	19	STEEL	ALUMINUM	19	STEEL
ALUMINUM	31	ALST	LEAD PLASTIC & ACID	04	LEAP	STEEL	20	STEEL	ALUMINUM	20	STEEL
ALUMINUM	32	ALST	LEAD PLASTIC & ACID	05	LEAP	STEEL	21	STEEL	ALUMINUM	21	STEEL
ALUMINUM	33	ALST	LEAD PLASTIC & ACID	06	LEAP	STEEL	22	STEEL	ALUMINUM	22	STEEL
ALUMINUM	34	ALST	LEAD PLASTIC & ACID	07	LEAP	STEEL	23	STEEL	ALUMINUM	23	STEEL
ALUMINUM	35	ALST	LEAD PLASTIC & ACID	08	LEAP	STEEL	24	STEEL	ALUMINUM	24	STEEL
ALUMINUM	36	ALST	LEAD PLASTIC & ACID	09	LEAP	STEEL	25	STEEL	ALUMINUM	25	STEEL
ALUMINUM	37	ALST	LEAD PLASTIC & ACID	10	LEAP	STEEL	26	STEEL	ALUMINUM	26	STEEL
ALUMINUM	38	ALST	LEAD PLASTIC & ACID	11	LEAP	STEEL	27	STEEL	ALUMINUM	27	STEEL
ALUMINUM	39	ALST	LEAD PLASTIC & ACID	12	LEAP	STEEL	28	STEEL	ALUMINUM	28	STEEL
ALUMINUM	40	ALST	LEAD PLASTIC & ACID	13	LEAP	STEEL	29	STEEL	ALUMINUM	29	STEEL
ALUMINUM	41	ALST	LEAD PLASTIC & ACID	14	LEAP	STEEL	30	STEEL	ALUMINUM	30	STEEL
ALUMINUM	42	ALST	LEAD PLASTIC & ACID	15	LEAP	STEEL	31	STEEL	ALUMINUM	31	STEEL
ALUMINUM	43	ALST	LEAD PLASTIC & ACID	16	LEAP	STEEL	32	STEEL	ALUMINUM	32	STEEL
ALUMINUM	44	ALST	LEAD PLASTIC & ACID	17	LEAP	STEEL	33	STEEL	ALUMINUM	33	STEEL
ALUMINUM	45	ALST	LEAD PLASTIC & ACID	18	LEAP	STEEL	34	STEEL	ALUMINUM	34	STEEL
ALUMINUM	46	ALST	LEAD PLASTIC & ACID	19	LEAP	STEEL	35	STEEL	ALUMINUM	35	STEEL
ALUMINUM	47	ALST	LEAD PLASTIC & ACID	20	LEAP	STEEL	36	STEEL	ALUMINUM	36	STEEL
ALUMINUM	48	ALST	LEAD PLASTIC & ACID	21	LEAP	STEEL	37	STEEL	ALUMINUM	37	STEEL
ALUMINUM	49	ALST	LEAD PLASTIC & ACID	22	LEAP	STEEL	38	STEEL	ALUMINUM	38	STEEL
ALUMINUM	50	ALST	LEAD PLASTIC & ACID	23	LEAP	STEEL	39	STEEL	ALUMINUM	39	STEEL
ALUMINUM	51	ALST	LEAD PLASTIC & ACID	24	LEAP	STEEL	40	STEEL	ALUMINUM	40	STEEL
ALUMINUM	52	ALST	LEAD PLASTIC & ACID	25	LEAP	STEEL	41	STEEL	ALUMINUM	41	STEEL
ALUMINUM	53	ALST	LEAD PLASTIC & ACID	26	LEAP	STEEL	42	STEEL	ALUMINUM	42	STEEL
ALUMINUM	54	ALST	LEAD PLASTIC & ACID	27	LEAP	STEEL	43	STEEL	ALUMINUM	43	STEEL
ALUMINUM	55	ALST	LEAD PLASTIC & ACID	28	LEAP	STEEL	44	STEEL	ALUMINUM	44	STEEL
ALUMINUM	56	ALST	LEAD PLASTIC & ACID	29	LEAP	STEEL	45	STEEL	ALUMINUM	45	STEEL
ALUMINUM	57	ALST	LEAD PLASTIC & ACID	30	LEAP	STEEL	46	STEEL	ALUMINUM	46	STEEL
ALUMINUM	58	ALST	LEAD PLASTIC & ACID	31	LEAP	STEEL	47	STEEL	ALUMINUM	47	STEEL
ALUMINUM	59	ALST	LEAD PLASTIC & ACID	32	LEAP	STEEL	48	STEEL	ALUMINUM	48	STEEL
ALUMINUM	60	ALST	LEAD PLASTIC & ACID	33	LEAP	STEEL	49	STEEL	ALUMINUM	49	STEEL
ALUMINUM	61	ALST	LEAD PLASTIC & ACID	34	LEAP	STEEL	50	STEEL	ALUMINUM	50	STEEL
ALUMINUM	62	ALST	LEAD PLASTIC & ACID	35	LEAP	STEEL	51	STEEL	ALUMINUM	51	STEEL
ALUMINUM	63	ALST	LEAD PLASTIC & ACID	36	LEAP	STEEL	52	STEEL	ALUMINUM	52	STEEL
ALUMINUM	64	ALST	LEAD PLASTIC & ACID	37	LEAP	STEEL	53	STEEL	ALUMINUM	53	STEEL
ALUMINUM	65	ALST	LEAD PLASTIC & ACID	38	LEAP	STEEL	54	STEEL	ALUMINUM	54	STEEL
ALUMINUM	66	ALST	LEAD PLASTIC & ACID	39	LEAP	STEEL	55	STEEL	ALUMINUM	55	STEEL
ALUMINUM	67	ALST	LEAD PLASTIC & ACID	40	LEAP	STEEL	56	STEEL	ALUMINUM	56	STEEL
ALUMINUM	68	ALST	LEAD PLASTIC & ACID	41	LEAP	STEEL	57	STEEL	ALUMINUM	57	STEEL
ALUMINUM	69	ALST	LEAD PLASTIC & ACID	42	LEAP	STEEL	58	STEEL	ALUMINUM	58	STEEL
ALUMINUM	70	ALST	LEAD PLASTIC & ACID	43	LEAP	STEEL	59	STEEL	ALUMINUM	59	STEEL
ALUMINUM	71	ALST	LEAD PLASTIC & ACID	44	LEAP	STEEL	60	STEEL	ALUMINUM	60	STEEL
ALUMINUM	72	ALST	LEAD PLASTIC & ACID	45	LEAP	STEEL	61	STEEL	ALUMINUM	61	STEEL
ALUMINUM	73	ALST	LEAD PLASTIC & ACID	46	LEAP	STEEL	62	STEEL	ALUMINUM	62	STEEL
ALUMINUM	74	ALST	LEAD PLASTIC & ACID	47	LEAP	STEEL	63	STEEL	ALUMINUM	63	STEEL
ALUMINUM	75	ALST	LEAD PLASTIC & ACID	48	LEAP	STEEL	64	STEEL	ALUMINUM	64	STEEL
ALUMINUM	76	ALST	LEAD PLASTIC & ACID	49	LEAP	STEEL	65	STEEL	ALUMINUM	65	STEEL
ALUMINUM	77	ALST	LEAD PLASTIC & ACID	50	LEAP	STEEL	66	STEEL	ALUMINUM	66	STEEL
ALUMINUM	78	ALST	LEAD PLASTIC & ACID	51	LEAP	STEEL	67	STEEL	ALUMINUM	67	STEEL
ALUMINUM	79	ALST	LEAD PLASTIC & ACID	52	LEAP	STEEL	68	STEEL	ALUMINUM	68	STEEL
ALUMINUM	80	ALST	LEAD PLASTIC & ACID	53	LEAP	STEEL	69	STEEL	ALUMINUM	69	STEEL
ALUMINUM	81	ALST	LEAD PLASTIC & ACID	54	LEAP	STEEL	70	STEEL	ALUMINUM	70	STEEL
ALUMINUM	82	ALST	LEAD PLASTIC & ACID	55	LEAP	STEEL	71	STEEL	ALUMINUM	71	STEEL
ALUMINUM	83	ALST	LEAD PLASTIC & ACID	56	LEAP	STEEL	72	STEEL	ALUMINUM	72	STEEL
ALUMINUM	84	ALST	LEAD PLASTIC & ACID	57	LEAP	STEEL	73	STEEL	ALUMINUM	73	STEEL
ALUMINUM	85	ALST	LEAD PLASTIC & ACID	58	LEAP	STEEL	74	STEEL	ALUMINUM	74	STEEL
ALUMINUM	86	ALST	LEAD PLASTIC & ACID	59	LEAP	STEEL	75	STEEL	ALUMINUM	75	STEEL
ALUMINUM	87	ALST	LEAD PLASTIC & ACID	60	LEAP	STEEL	76	STEEL	ALUMINUM	76	STEEL
ALUMINUM	88	ALST	LEAD PLASTIC & ACID	61	LEAP	STEEL	77	STEEL	ALUMINUM	77	STEEL
ALUMINUM	89	ALST	LEAD PLASTIC & ACID	62	LEAP	STEEL	78	STEEL	ALUMINUM	78	STEEL
ALUMINUM	90	ALST	LEAD PLASTIC & ACID	63	LEAP	STEEL	79	STEEL	ALUMINUM	79	STEEL
ALUMINUM	91	ALST	LEAD PLASTIC & ACID	64	LEAP	STEEL	80	STEEL	ALUMINUM	80	STEEL
ALUMINUM	92	ALST	LEAD PLASTIC & ACID	65	LEAP	STEEL	81	STEEL	ALUMINUM	81	STEEL
ALUMINUM	93	ALST	LEAD PLASTIC & ACID	66	LEAP	STEEL	82	STEEL	ALUMINUM	82	STEEL
ALUMINUM	94	ALST	LEAD PLASTIC & ACID	67	LEAP	STEEL	83	STEEL	ALUMINUM	83	STEEL
ALUMINUM	95	ALST	LEAD PLASTIC & ACID	68	LEAP	STEEL	84	STEEL	ALUMINUM	84	STEEL
ALUMINUM	96	ALST	LEAD PLASTIC & ACID	69	LEAP	STEEL	85	STEEL	ALUMINUM	85	STEEL
ALUMINUM	97	ALST	LEAD PLASTIC & ACID	70	LEAP	STEEL	86	STEEL	ALUMINUM	86	STEEL
ALUMINUM	98	ALST	LEAD PLASTIC & ACID	71	LEAP	STEEL	87	STEEL	ALUMINUM	87	STEEL
ALUMINUM	99	ALST	LEAD PLASTIC & ACID	72	LEAP	STEEL	88	STEEL	ALUMINUM	88	STEEL
ALUMINUM	00	ALST	LEAD PLASTIC & ACID	73	LEAP	STEEL	89	STEEL	ALUMINUM	89	STEEL
ALUMINUM	01	ALST	LEAD PLASTIC & ACID	74	LEAP	STEEL	90	STEEL	ALUMINUM	90	STEEL
ALUMINUM	02	ALST	LEAD PLASTIC & ACID	75	LEAP	STEEL	91	STEEL	ALUMINUM	91	STEEL
ALUMINUM	03										

APPENDIX A
ABBREVIATIONS FOR MATERIALS
PART NUMBERING SYSTEM
COST SHEETS AND PHOTOGRAPHS

PART NUMBERING SYSTEM

The part numbers are derived from a "Master Bill of Material" that contains all of the component parts and subassemblies for a given assembly or system. Thus a glove compartment release knob for a Chevrolet will appear on the same line of its Bill of Material, and have the same item number as any glove compartment release knob for any vehicle in the study. Following is a detailed breakdown and explanation of the numbering system.

Ford (Full Size) 04	1983 83	Board 4 (Seat Back Pad) 4	Border Wire 04A
Vehicle	Year	Photograph Number	Item Number
The first and second numbers indicate mfg. and model (car size) (01-22).	The third and fourth numbers indicate the year (1963-1983).	The fifth number is the photograph board number (1-7).	The sixth, seventh and eighth (when necessary) numbers indicate the part as it appears on the Master Part List, Detail Process Sheet, Computer Cost Sheet and Photograph.

VEHICLE- TOT

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			TOTAL	WHOLESALE CONSUMER TOOLING		
					LABOR	BURDEN			PRICE		PRICE
TOTAL COST ALL PARTS											
CHEVROLET CAPRICE	01-	1	15.8035	8.1731	3.9443	5.1406	17.2580	24.7986	28.1719	1640.0	
CHEVROLET MALIBU	02-	1	15.0455	7.8428	4.0089	5.2571	17.1088	24.5837	27.9280	1405.0	
CHEVROLET CAVALIER	03-	1	10.2040	8.2656	4.8285	6.7133	19.8074	28.4626	32.3340	1558.5	
FORD CROWN VICTORIA	04-	1	15.9348	12.7642	4.5319	5.8654	23.1615	33.2835	37.8105	1731.0	
FORD LTD	05-	1	14.2683	9.8390	4.2331	5.5965	19.6686	28.2642	32.1085	1154.0	
FORD MUSTANG	06-	1	10.4744	7.7522	3.1311	4.0390	14.9223	21.4435	24.3603	923.0	
CHRYSLER FIFTH AVENUE	07-	1	10.2939	9.9268	3.5063	5.0228	18.4559	26.5214	30.1288	1269.5	
CHRYSLER E-CLASS	08-	1	10.4757	10.2748	3.5785	4.8598	18.7131	26.8910	30.5487	1197.5	
CHRYSLER/PLYMOUTH RELIANT	09-	1	10.5135	10.2970	3.5688	4.8705	18.7363	26.9243	30.5867	1207.5	
AMC/RENAULT ALLIANCE	10-	1	4.8699	4.3109	2.5402	3.2293	10.0804	14.4858	16.4559	843.0	
TOYOTA TERCEL	11-	1	8.1484	9.4086	3.2470	4.3406	16.9962	24.4241	27.7464	991.0	
NISSAN SENTRA	12-	1	6.0825	7.2868	3.0766	3.7096	14.0730	20.2233	22.9742	1060.0	

VEHICLE- 01- CHEVROLET CAPRICE

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			TOTAL			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE	PRICE	000S
CHEVROLET CAPRICE		1		1	15.8035	8.1731	3.9443	5.1406	17.2580	24.7986	28.1719	1640.0	
ASM - SHIFTING TUBE	183501	1	1	ASSY	1.8487	.7119	.6354	.8120	2.1593	3.1030	3.5251	137.0	
ASM - STEERING COLUMN JACKET	183521	1	1	ASSY	4.3737	1.7668	.4921	.8610	3.1199	4.4820	5.0918	605.0	
ASM - STRG. COL. MTG. BRACKET	183541	1	1	ASSY	1.3315	.6038	.0774	.1069	.7881	1.1326	1.2865	135.0	
ASM - STEERING SHAFT	183601	1	1	ASSY	3.7740	1.9627	.5231	.7178	3.2036	4.6037	5.2298	112.0	
ASM - INTERMEDIATE STEERING SHAFT	183621	1	1	ASSY	4.4756	3.1279	2.2163	2.6429	7.9871	11.4773	13.0387	651.0	
ASSEMBLY COST													

VEHICLE- 01- CHEVROLET CAPRICE

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			TOTAL			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE	PRICE	000S
ASM - SHIFTING TUBE	183501	1	ASSY	1.8487	.7119	.6354	.8120	2.1593	3.1030	3.5251	137.0		
SHIFTING TUBE - UPPER	183502	1	CRS	.8839	.2880	.2835	.3532	.9247	1.3288	1.5095	45.0		
RETAINING CLIP	183503	2	ABS	.0018	.0242			.0242	.0348	.0396	17.0		
SHIFTING TUBE - LOWER	183505	1	CRS	.8625	.2565	.2513	.3130	.8208	1.1795	1.3399	35.0		
LEVER - TRANSMISSION LINKAGE	183506	1	HRS	.0985	.1352	.0153	.0348	.1853	.2663	.3025	20.0		
COLLAR (FOAM)	183510	1	PLYF	.0020	.0050			.0050	.0072	.0082			
ASSEMBLY COST					.0030	.0853	.1110	.1993	.2864	.3254	20.0		

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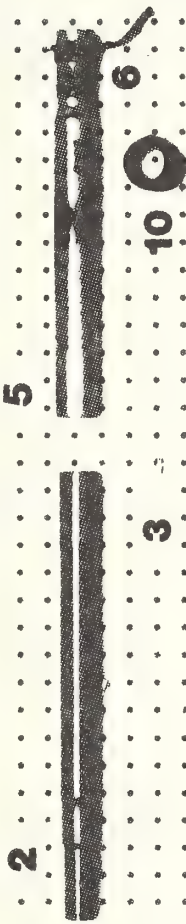
VEHICLE- 01- CHEVROLET CAPRICE

DESCRIPTION	ITEM	NO.	QTY	MATL	WEIGHT	VARIABLE MANUFACTURING COST				WHOLESALE CONSUMER TOOLING			
						MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE	PRICE
ASM - STEERING COLUMN JACKET	183521	1	1	ASSY	4.3737	1.7668	.4921	.8610	3.1199	4.4820	5.0918	605.0	
JACKET (HOUSING) - STRG COL UPPER	183522	1	1	HRS	2.0950	.6509	.1013	.2217	.9739	1.3995	1.5898	80.0	
RETAINER - CAP - JACKET HSG.	183526	1	1	STWR	.0061	.0033	.0032	.0051	.0116	.0167	.0190	10.0	
SPACER - JACKET HSG. STRG. COL.	183527	1	1	PLAS	.0019	.0031	.0032	.0046	.0109	.0157	.0178	20.0	
SPRING	183528	1	1	STWR	.0314	.0750			.0750	.1078	.1225		
SEAL - STRG. COL. JACKET	183531	1	1	RUB	.0041	.0164	.0349	.0414	.0927	.1332	.1513	40.0	
SLEEVE - STRG. COL. JACKET	183533	1	1	PLYP	.1149	.0937	.0606	.1726	.3269	.4698	.5337	215.0	
JACKET (HOUSING) - STRG COL LOWER	183535	1	1	HRS	1.9132	.5570	.1013	.2217	.8800	1.2646	1.4366	80.0	
CAP - JACKET LWR. - STRG. COL.	183536	1	1	CRS	.0423	.0297	.0068	.0229	.0594	.0854	.0970	75.0	
RETAINER SLEEVE - JACKET HSG.	183537	1	1	PLAS	.0389	.0628	.0255	.0296	.1179	.1694	.1924	25.0	
SEAL - STRG. COL. JACKET	183538	1	1	RUB	.0079	.0306	.0349	.0414	.1069	.1536	.1745	40.0	
BEARING (SLEEVE)	183539	40	1	STL	.0120	.0400			.0400	.0560	.0640		
M6 WELD NUT	183540A	2	1	STL	.0240	.0540			.0540	.0776	.0882		
M8 WELD NUT	183540B	4	1	STL	.0820	.1400			.1400	.2012	.2284		
ASSEMBLY COST						.0103	.1204	.1000	.2307	.3315	.3766	20.0	

VEHICLE- 01- CHEVROLET CAPRICE

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STRG. COL. MTG. BRACKET	183541	1	ASSY	1.3315	.6038	.0774	.1069	.7881	1.1326	1.2865
BRACKET - STRG. COL. MTG.	183542	1	THRS	1.2581	.5111	.0134	.0316	.5561	.7991	.9078
SPACER - STRG. COL. MTG. BRKT.	183543	2	ZN	.0726	.0398	.0118	.0402	.0918	.1320	.1500
SPACER NUT LOCK	183552	4	PLAS	.0008	.0520			.0520	.0748	.0848
ASSEMBLY COST					.0009	.0522	.0351	.0882	.1267	.1439
										20.0

1983 CHEVROLET CAPRICE BOARD 5



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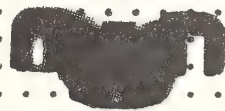
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VEHICLE- 01- CHEVROLET CAPRICE

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	VARIABLE MANUFACTURING COST				WHOLESALE CONSUMER GOODNG			
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE	PRICE
ASM - STEERING SHAFT	183601	1	1	ASSY	3.7740	1.9627	.5231	.7178	3.2036	4.6037	5.2298	112.0
SHAFT - UPPER - STRG.	183602	1	1	CRS	1.9397	.7265	.2285	.4266	1.3816	1.9854	2.2554	30.0
SHAFT - LOWER - STRG.	183604	1	1	HRS	1.7504	.5491	.1238	.1552	.8281	1.1900	1.3518	28.0
CLIP - STRG. SHAFT	183606	2	1	PLAS	.0026	.0042	.0076	.0092	.0210	.0302	.0344	35.0
BEARING	183610	1	1	STL	.0779	.6000			.6000	.8622	.9795	
RETAINER RING	183612	2	1	STL	.0034	.0800			.0800	.1150	.1306	
ASSEMBLY COST						.0029	.1632	.1268	.2929	.4209	.4781	19.0

VEHICLE- 01- CHEVROLET CAPRICE

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	MATERIAL	VARIABLE MANUFACTURING COST LABOR	BURDEN	TOTAL	WHOLESALE PRICE	CONSUMER PRICE	TOOLING 000S
ASM - INTERMEDIATE STEERING SHAFT	83621	1	ASSY	4.4756	3.1279	2.2163	2.6429	7.9871	11.4773	13.0387	651.0
FLANGE - UPPER COUPLING	83622	1	HRS	.5617	.1789	.1698	.4998	.8485	1.2193	1.3851	55.0
SHAFT - UPPER	83623	1	CRS	1.2931	.7490	.3209	.3273	1.3972	2.0078	2.2809	50.0
SPRING - INNER SHAFT RETAINER	83624	1	SSTL	.0242	.0256	.0048	.0129	.0433	.0622	.0707	15.0
TUBE SHAFT - LOWER - OUTER	83625	1	HRS	1.1554	.3723	.0538	.0512	.4773	.6859	.7792	15.0
FLANGE - FLEX COUPLING - LWR SHAFT	83626	1	HRS	.1011	.0530	.0170	.0369	.1069	.1536	.1745	20.0
COVER - INTER. SHAFT	83627	1	ABS	.2133	.3764			.3764	.5409	.6145	35.0
ASM - SEAL COUPLING	83628	1	ASSY	.0939	.2439			.2439	.3505	.3982	55.0
SEAL - INTER. SHAFT	83629	1	RUB	.0220	.1009			.1009	.1450	.1647	35.0
INNER CONE - COUPLING HSG. UPR.	83630	1	HRS	.0187	.0104	.0048	.0127	.0279	.0401	.0456	20.0
KNUCKLE - UPPER COUPLING	83631	2	PM	.0734	.0330	.0874	.1726	.2930	.4210	.4782	41.0
PIN - KNUCKLE MOUNTING	83632	1	CRS	.0579	.0237	.0057	.0201	.0495	.0711	.0808	15.0
RETAINING CLIP - UPR. COUPLING	83633	1	STL	.0040	.0337			.0337	.0484	.0550	30.0
NYLON BUSHING - UPR. COUPLING	83634	1	NY	.0022	.0551			.0551	.0792	.0900	32.0
RETAINING RING - UPR. COUPLING	83635	1	HRS	.0402	.0412			.0412	.0592	.0673	10.0
CLAMP - UPR. COUPLING SEAL	83636	1	STL	.0113	.0330			.0330	.0474	.0538	20.0
FLEX PLATE - COUPLING (RAG) LWR.	83649	1	RFB	.1120	.1275	.0407	.0479	.2161	.3105	.3527	10.0
PLATE - FLEX PLATE TO FLANGE	83650	1	G/ST	.0840	.0627	.0459	.1051	.2137	.3071	.3489	20.0
PLATE - FLEX PLATE TO FLANGE	83650A	1	G/ST	.0510	.0311	.0119	.0361	.0791	.1137	.1292	11.0
BOLT - FLANGE TO SHAFT LWR. CPLG.	83651	1	CRS	.0380	.0470			.0470	.0675	.0767	
PIN - FLEX PLATE TO FLANGE	83652	2	CRS	.1040	.0560			.0560	.0804	.0914	
BOLT - FLEX PLATE TO FLANGE	83653	2	CRS	.0900	.1500			.1500	.2156	.2450	
ADAPTOR - FLEX PLATE TO SHAFT	83654	1	FRG	.2910	.1790	.2293	.3467	.7550	1.0849	1.2324	112.0
NUT	83655	2	CRS	.0280	.0620			.0620	.0890	.1012	

VEHICLE- 01- CHEVROLET CAPRICE

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			TOTAL			WHOLESALE CONSUMER PRICE		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE	PRICE	PRICE
LOCKWASHER	183656	2	CRS	.0052	.0100			.0100	.0144				
ASSEMBLY COST					.0725	1.2243	.9736	2.2704	3.2626	3.7063	50.0		

VEHICLE- 01- CHEVROLET CAPRICE

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE			CONSUMER		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE	PRICE	000S
ASM - SEAL COUPLING	183628	1	ASSY	.0939	.2439			.2439	.3505	.3982		55.0	
INSERT - SEAL COUPLING	183628A	1	HRS	.0821	.0919			.0919	.1321	.1501		15.0	
RUBBER - SEAL COUPLING	183628B	1	RUB	.0118	.0099			.0099	.0142	.0161			
ASSEMBLY COST					.1421			.1421	.2042	.2320		40.0	

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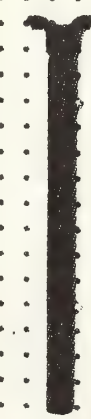
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VEHICLE- 02- CHEVROLET MALIBU

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
CHEVROLET MALIBU		1		15.0455	7.8428	4.0089	5.2571	17.1088	24.5837	27.9280
ASM - SHIFTING TUBE	183501	1	ASSY	1.6986	.8587	.5044	.7483	2.1114	3.0341	3.4468
ASM - STEERING COLUMN JACKET	183521	1	ASSY	4.2037	1.7097	.4889	.8544	3.0550	4.3887	4.9859
ASM - STRG. COL. MTG. BRACKET	183541	1	ASSY	1.2721	.5802	.0774	.1069	.7645	1.0986	1.2479
ASM - STEERING SHAFT	183601	1	ASSY	3.8179	2.1192	.5487	.7370	3.4049	4.8928	5.5583
ASM - INTERMEDIATE STEERING SHAFT	183621	1	ASSY	4.0532	2.5750	2.3895	2.8085	7.7730	11.1695	12.6891
ASSEMBLY COST										

VEHICLE- 02- CHEVROLET MALIBU

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - SHIFTING TUBE	83501	1	11ASSY	1.6986	.8587	.5044	.7483	2.1114	3.0341	3.4468
SHIFTING TUBE - UPPER	83502	1	11STTB	.7341	.3641	.1474	.2401	.7516	1.0800	1.2269
CLIP	83503	2	11PLAS	.0026	.0040			.0040	.0058	.0066
SHIFTING TUBE - LOWER	83505	1	11STTB	.8248	.3779	.1698	.3037	.8514	1.2235	1.3899
LEVER - SHIFTING TUBE	83506	1	11CRS	.1305	.0959	.0139	.0364	.1462	.2101	.2387
COLLAR - SHIFTING TUBE	83510	1	11PLAS	.0044	.0108	.0474	.0610	.1192	.1713	.1946
SLEEVE - SHIFTING TUBE	83512	1	11PLAS	.0022	.0038	.0064	.0068	.0170	.0244	.0277
ASSEMBLY COST					.0022	.1195	.1003	.2220	.3190	.3624

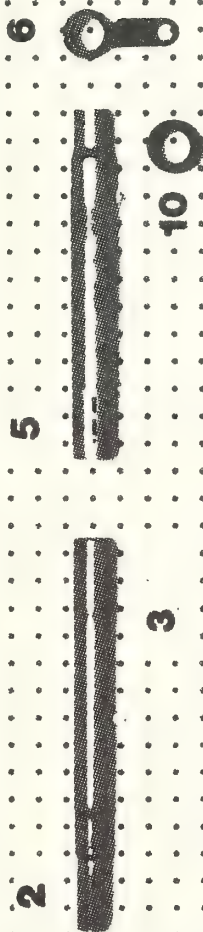
VEHICLE- 02- CHEVROLET MALIBU

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST				WHOLESALE CONSUMER TOOLING			
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE	000S
ASM - STEERING COLUMN JACKET	83521	1	ASSY	4.2037	1.7097	.4889	.8564	3.0550	4.3887	4.9859	585.0	
JACKET (HOUSING) - STRG COL UPPER	83522	1	HRS	2.0950	.6509	.4013	.2217	.9739	1.3995	1.5898	80.0	
RETAINER - CAP - JACKET HSG.	83526	1	STWR	.0061	.0033	.0032	.0051	.0116	.0167	.0190	10.0	
SPRING	83528	1	STWR	.0286	.0750			.0750	.1078	.1225		
SEAL - STRG. COL. JACKET	83531	1	RUB	.0041	.0164	.0349	.0414	.0927	.1332	.1513	40.0	
SLEEVE - STRG. COL. JACKET	83533	1	PLY	.1149	.0937	.0606	.1726	.3269	.4698	.5337	215.0	
JACKET (HOUSING) - STRG COL LOWER	83535	1	HRS	1.7403	.5012	.1013	.2217	.8242	1.1844	1.3455	80.0	
CAP - JACKET LWR. - STRG. COL.	83536	1	CRS	.0488	.0297	.0068	.0229	.0594	.0854	.0970	75.0	
RETAINER SLEEVE - JACKET HSG.	83537	1	PLAS	.0400	.0646	.0255	.0296	.1197	.1720	.1954	25.0	
SEAL - STRG. COL. JACKET	83538	1	RUB	.0079	.0306	.0349	.0414	.1069	.1536	.1745	40.0	
BEARING (SLEEVE)	83539	40	STL	.0120	.0400			.0400	.0560	.0640		
M6 WELD NUT	83540A	2	STL	.0240	.0540			.0540	.0776	.0882		
M8 WELD NUT	83540B	4	STL	.0820	.1400			.1400	.2012	.2284		
ASSEMBLY COST					.0103	.1204	.1000	.2307	.3315	.3766	20.0	

VEHICLE- 02- CHEVROLET MALIBU

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	PRICE	PRICE	PRICE
ASM - STRG. COL. MTG. BRACKET	183541	1	ASSY	1.2721	.5802	.0774	.1069	.7645	1.0986	1.2479
BRACKET - STRG. COL. MTG.	183542	1	HRS	1.2423	.5111	.0134	.0316	.5561	.7991	.9078
SPACER - STRG. COL. MTG. BRKT.	183543	2	ZN	.0290	.0162	.0118	.0402	.0682	.0980	.1114
SPACER NUT LOCK	183552	4	PLAS	.0008	.0520			.0520	.0748	.0848
ASSEMBLY COST					.0009	.0522	.0351	.0882	.1267	.1439

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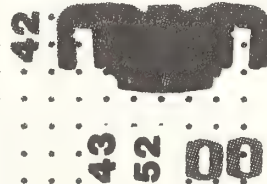


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VEHICLE- 02- CHEVROLET MALIBU

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	MATERIAL	LABOR	BURDEN	TOTAL	WHOLESALE PRICE	CONSUMER PRICE	TOOLING
ASM - STEERING SHAFT	83601	1	ASSY	3.8179	2.1192	.5487	.7370	3.4049	4.8928	5.5583	87.0
SHAFT - STEERING UPPER	83602	1	CRS	1.9291	.8475	.2285	.4266	1.5026	2.1592	2.4529	30.0
SHAFT - LOWER STEERING	83604	1	HRS	1.7985	.5612	.1238	.1552	.8402	1.2074	1.3716	28.0
BEARING - STRG. SHAFT	83610	1	STL	.0774	.6000			.6000	.8622	.9795	
RETAINER RING - STRG. SHAFT	83612	2	STL	.0036	.0800			.0800	.1150	.1306	
WASHER - STRG. SHAFT	83612A	1	STL	.0063	.0250			.0250	.0359	.0408	
PLASTIC RETAINER - STRG. SHAFT	83616	2	PLAS	.0030	.0020			.0020	.0028	.0032	
ASSEMBLY COST					.0035	.1964	.1552	.3551	.5103	.5797	29.0

VEHICLE- 02- CHEVROLET MALIBU

DESCRIPTION	ITEM	NO.	QTY	MATL	WEIGHT	MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	CONSUMER	TOOLING
ASM - INTERMEDIATE STEERING SHAFT	83621	1	ASSY		4.0532	2.5750	2.3895	2.8085	7.7730	11.1695	12.6891	651.0	
FLANGE - UPPER COUPLING	83622	1	HRS		.5617	.1788	.1698	.4878	.8364	1.2019	1.3654	55.0	
SHAFT - UPPER	83623	1	CRS		1.1396	.5521	.3209	.3273	1.2003	1.7248	1.9594	50.0	
SPRING - INR. SHAFT RET.	83624	1	SSTL		.0242	.0256	.0048	.0129	.0433	.0622	.0707	15.0	
TUBE SHAFT - LOWER - OUTER	83625	1	STTB		.9099	.5058	.0538	.0512	.6108	.8777	.9971	15.0	
FLANGE - FLEX COUPLING - LWR. SHAF	83626	1	HRS		.1011	.0530	.0170	.0369	.1069	.1536	.1745	20.0	
COVER - INTERMEDIATE SHAFT	83627	1	PLAS		.1899	.2263	.0430	.0345	.3038	.4366	.4960	35.0	
ASM - SEAL COUPLING	83628	1	ASSY		.0939	.0583	.0841	.0826	.2250	.3233	.3673	55.0	
SEAL - INTERMEDIATE SHAFT	83629	1	RUB		.0220	.0166	.0343	.0342	.0851	.1223	.1389	35.0	
INNER CONE - COUPLING HSG. UPPER	83630	1	HRS		.0187	.0104	.0048	.0127	.0279	.0401	.0456	20.0	
KNUCKLE - UPPER COUPLING	83631	2	PH		.0734	.0330	.0874	.1726	.2930	.4210	.4782	41.0	
PIN - KNUCKLE MOUNTING	83632	1	CRS		.0579	.0237	.0057	.0201	.0495	.0711	.0808	15.0	
RETAINING CLIP - UPR. COUPLING	83633	1	STL		.0040	.0055	.0051	.0117	.0223	.0320	.0364	30.0	
NYLON BUSHING - UPR. COUPLING	83634	1	NY		.0022	.0530			.0530	.0762	.0866	32.0	
RETAINING RING - UPR. COUPLING	83635	1	HRS		.0402	.0231	.0032	.0076	.0339	.0487	.0553	10.0	
CLAMP - UPR. COUPLING SEAL	83636	1	STL		.0113	.0120	.0035	.0070	.0225	.0323	.0367	20.0	
FLEX PLATE - COUPLING (RAG) LWR.	83649	1	RFB		.1120	.1275	.0407	.0479	.2161	.3105	.3527	10.0	
PLATE - FLEX PLATE TO FLANGE	83650	1	G/ST		.0840	.0627	.0459	.1051	.2137	.3071	.3489	20.0	
PLATE - FLEX PLATE TO FLANGE	83650A	1	G/ST		.0510	.0311	.0119	.0361	.0791	.1137	.1292	11.0	
BOLT - FLANGE TO SHAFT LWR. CPLG.	83651	1	CRS		.0380	.0470			.0470	.0675	.0767		
PIN - FLEX PLATE TO FLANGE	83652	2	CRS		.1040	.0560			.0560	.0804	.0914		
BOLT - FLEX PLATE TO FLANGE	83653	2	CRS		.0900	.1500			.1500	.2156	.2450		
ADAPTOR - FLEX PLATE TO SHAFT	83654	1	FRG		.2910	.1790	.2293	.3467	.7550	1.0849	1.2324	112.0	
NUT	83655	2	CRS		.0280	.0620			.0620	.0890	.1012		

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VEHICLE- 02- CHEVROLET MALIBU

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
LOCKWASHER	183656	2	CRS	.0052	.0100			.0100	.0144	.0164
ASSEMBLY COST					.0725	1.2243	.9736	2.2704	3.2626	3.7063
										50.0

VEHICLE- 02- CHEVROLET MALIBU

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - SEAL COUPLING	183628	1	ASSY	.0939	.0583	.0841	.0826	.2250	.3233	.3673
55.0										
INSERT - SEAL COUPLING	183628A	1	HRS	.0821	.0484	.0051	.0217	.0752	.1081	.1228
15.0										
RUBBER - SEAL COUPLING	183628B	1	RUB	.0118	.0085			.0085	.0122	.0139
40.0										
ASSEMBLY COST					.0014	.0790	.0609	.1413	.2030	.2306

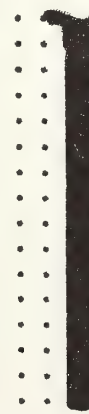
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VEHICLE- 03- CHEVROLET CAVALIER

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE/ CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
CHEVROLET CAVALIER		1		10.2040	8.2656	4.8285	6.7133	19.8074	28.4626	32.3340
ASM - SHIFTING TUBE	183501	1	11ASSY	1.2054	.7624	.4387	.5340	1.7351	2.4933	2.8325
ASM - STEERING COLUMN JACKET	183521	1	11ASSY	2.5600	1.9828	.4498	.8191	3.2517	4.6716	5.3072
ASM - STRG. COL. MTG. BRACKET	183541	1	11ASSY	.9811	.5329	.1030	.1425	.7784	1.1187	1.2707
ASM - STEERING SHAFT	183601	1	11ASSY	2.8108	1.7906	.5030	.6790	2.9726	4.2715	4.8524
ASM - INTERMEDIATE STEERING SHAFT	183621	1	11ASSY	2.6467	3.1969	3.3340	4.5387	11.0696	15.9075	18.0712
ASSEMBLY COST										

VEHICLE- 03- CHEVROLET CAVALIER

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			TOTAL			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE	PRICE	000S
ASM - SHIFTING TUBE	83501	1	ASSY	1.2054	.7624	.4387	.5340	1.7351	2.4933	2.8325	177.0		
SHIFTING TUBE - UPPER	83502	1	STTB	.4966	.3030	.1590	.2057	.6677	.9595	1.0900	34.0		
CLIP	83503	2	NY	.0010	.0020			.0020	.0028	.0032			
SHIFTING TUBE - LOWER	83505	1	STTB	.4220	.2560	.1421	.1865	.5846	.8401	.9544	33.0		
LEVER - SHIFTING TUBE	83506	1	CRS	.2507	.1715	.0121	.0346	.2182	.3136	.3562	50.0		
SLEEVE - SHIFTING TUBE	83512	1	PLYP	.0343	.0273	.0032	.0046	.0351	.0504	.0573	30.0		
SPRING - SHIFTING TUBE	83513	1	CRS	.0008	.0004	.0028	.0023	.0055	.0079	.0090	15.0		
ASSEMBLY COST					.0022	.1195	.1003	.2220	.3190	.3624	15.0		

VEHICLE- 03- CHEVROLET CAVALIER

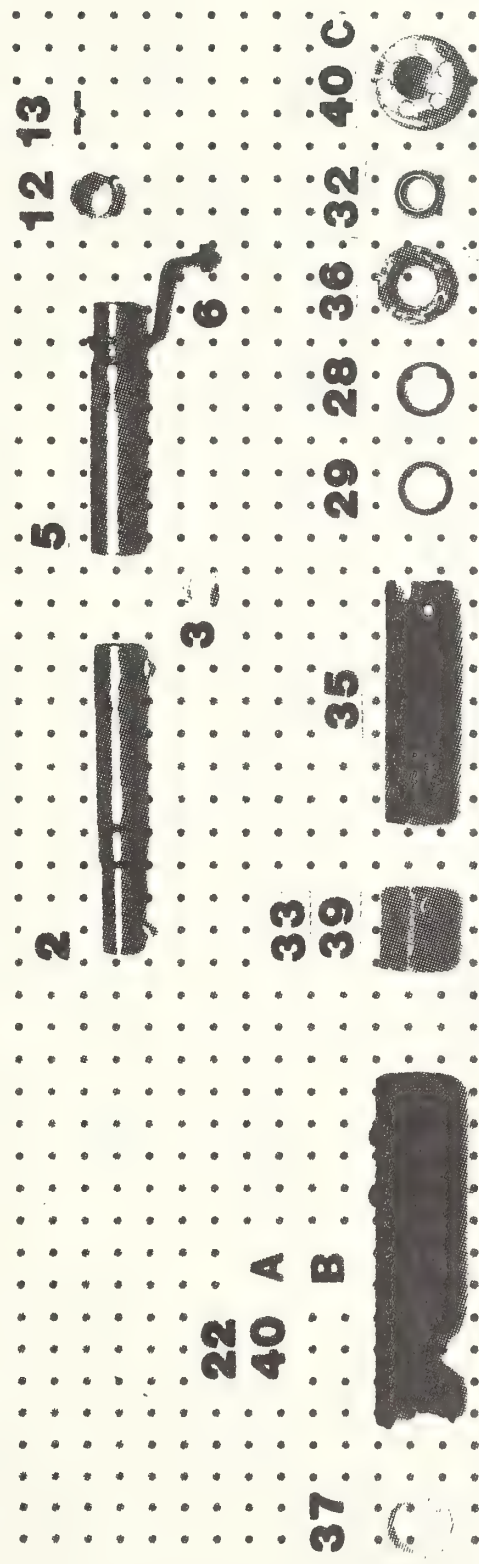
DESCRIPTION	ITEM NO.	QTY	MATERIAL WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING				
				MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	000S	
ASM - STEERING COLUMN JACKET	183521	1	1:ASSY:	2.5600	1.9828	.4498	.8191	3.2517	4.6716	5.3072	435.0
JACKET (HOUSING) - STRG COL UPPER	183522	1	1:HRS	1.3241	.4448	.1013	.2255	.7716	1.1088	1.2596	80.0
SPRING	183528	1	1:STWR	.0337	.0750			.0750	.1078	.1225	
SEAT - SPRING - JACKET HSG.	183529	1	1:PLY	.0022	.0014	.0038	.0046	.0098	.0141	.0160	20.0
BEARING	183532	1	1:STL	.0600	.7500			.7500	1.0778	1.2244	
SLEEVE - STRG. COL. JACKET	183533	1	1:PLY	.0480	.0405	.0606	.1726	.2737	.3933	.4468	165.0
JACKET (HOUSING) - STRG COL LOWER	183535	1	1:HRS	.7262	.2608	.1013	.2217	.5838	.8389	.9530	80.0
CAP - STRG. COL. LWR. JACKET	183536	1	1:ZN	.1496	.0813	.0119	.0402	.1334	.1917	.2178	25.0
RETAINER SLEEVE - JACKET HSG.	183537	1	1:PLAS	.0245	.0397	.0255	.0296	.0948	.1362	.1547	25.0
BEARING (SLEEVE)	183539	32	1:STL	.0032	.0320			.0320	.0448	.0512	
WELD NUT - M6	183540A	2	1:STL	.0240	.0540			.0540	.0776	.0882	
WELD NUT - M8	183540B	4	1:STL	.0820	.1400			.1400	.2012	.2284	
COVER - LOWER JACKET	183540C	1	1:PLY	.0825	.0528	.0128	.0181	.0837	.1203	.1367	30.0
ASSEMBLY COST					.0105	.1326	.1068	.2499	.3591	.4079	10.0

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VEHICLE- 03- CHEVROLET CAVALIER

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STRG. COL. MTG. BRACKET	183541	1	ASSY	.9811	.5329	.1030	.1425	.7784	1.1187	1.2707
BRACKET - STRG. COL. MTG.	183542	1	HRS	.8517	.4094	.0134	.0316	.4544	.6530	.7418
SPACER NUT - STRG. COL. MTG. BRKT.	183543	2	ZN	.1286	.0706	.0374	.0758	.1838	.2642	.3002
SPACER NUT LOCK	183552	4	PLAS	.0008	.0520			.0520	.0748	.0848
ASSEMBLY COST					.0009	.0522	.0351	.0882	.1267	.1439

1983 CHEVROLET CAVALIER BOARD 5



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VEHICLE- 03- CHEVROLET CAVALIER

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING				
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE	
ASM - STEERING SHAFT	183601	1	1	ASSY	2.8108	1.7906	.5030	.6790	2.9726	4.2715	4.8524	82.0
SHAFT - UPPER - STRG.	183602	1	1	CRS	1.7495	.7697	.2285	.4266	1.4248	2.0474	2.3258	30.0
SHAFT - LOWER - STRG.	183604	1	1	STTB	.9703	.3108	.1034	.1146	.5288	.7599	.8632	25.0
BEARING	183610	1	1	STL	.0763	.6000			.6000	.8622	.9795	
RETAINER RING	183612	2	1	STL	.0044	.0800			.0800	.1150	.1306	
WASHER	183612A	1	1	STL	.0067	.0250			.0250	.0359	.0408	
PLASTIC RETAINER	183616	2	1	PLAS	.0036	.0020			.0020	.0028	.0032	
ASSEMBLY COST						.0031	.1711	.1378	.3120	.4483	.5093	27.0

VEHICLE- 03- CHEVROLET CAVALIER

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	--- VARIABLE MANUFACTURING COST ---			WHOLESALE/ CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - INTERMEDIATE STEERING SHAFT	183621	1	ASSY	2.6467	3.1969	3.3340	4.5387	11.0696	15.9075	18.0712
COUPLING - UPPER SHAFT	183622	1	FRG	.5040	.2231	.3180	.6131	1.1542	1.6586	1.8842
SHAFT - UPPER	183623	1	CRS	.6299	.2693	.3260	.4320	1.0273	1.4762	1.6770
TUBE - LOWER SHAFT	183625	1	STTB	.1303	.0854	.0016	.0036	.0906	.1302	.1479
COUPLING - LOWER SHAFT	183626	1	FRG	.3929	.1760	.3180	.6131	1.1071	1.5909	1.8073
SEAL - INTER. SHAFT	183629	1	RUB	.0601	.0446	.0502	.0342	.1290	.1854	.2106
UNIVERSAL BRACKET	183637	1	FRG	.2215	.0995	.1926	.3685	.6606	.9493	1.0784
BEARING	183639	8	VAR	.1032	2.0000			2.0000	2.8744	3.2656
UNIVERSAL JOINT - INTER. SHAFT	183642	2	FRG	.2086	.1108	.9146	1.3236	2.3490	3.3756	3.8346
COUPLING - INTERMEDIATE	183647	1	FRG	.3728	.1653	.2713	.4374	.8740	1.2559	1.4267
ROLL PIN	183648	1	HRS	.0234	.0070	.0347	.0325	.0742	.1066	.1211
ASSEMBLY COST					.0159	.9070	.6807	1.6036	2.3044	2.6178

1983 CHEVROLET CAVALIER BOARD 6

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VEHICLE- 04- FORD CROWN VICTORIA

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST				WHOLESALE CONSUMER TOOLING			
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE	000S
FORD CROWN VICTORIA		1		15.9348	12.7642	4.5319	5.8654	23.1615	33.2835	37.8105	1331.0	
ASM - SHIFTING TUBE	183501	1	ASSY	3.7275	2.5558	.7232	1.0924	4.3714	6.2818	7.1361	271.0	
ASM - STEERING COLUMN JACKET	183521	1	ASSY	1.8773	2.0301	.6383	.7424	3.4108	4.9015	5.5681	104.0	
ASM - STEERING COLUMN MOUNT	183541	1	ASSY	1.9885	.8407	.5456	.6308	2.0171	2.8985	3.2927	182.0	
ASM - STEERING SHAFT	183601	1	ASSY	4.0054	3.4297	.7761	1.0748	5.2806	7.5885	8.6204	206.0	
ASM - INTERMEDIATE STEERING SHAFT	183621	1	ASSY	4.3361	3.9079	1.8487	2.3250	8.0816	11.6132	13.1932	548.0	
ASSEMBLY COST												

VEHICLE- 04- FORD CROWN VICTORIA

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST				TOTAL			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN					PRICE	PRICE	
ASM - SHIFTING TUBE	83501	1	ASSY	3.7275	2.5558	.7232	1.0924		4.3714		6.2818	7.1361	271.0	
CLIP - SHIFTING TUBE SHAFT	83503	2	CRS	.0062	.0042	.0076	.0330		.0448		.0644	.0732	20.0	
MOUNTING BRACKET - SHIFTER	83504	1	HRS	.4582	.2371	.0325	.0667		.3363		.4833	.5490	75.0	
SHIFTING TUBE - LOWER	83505	1	STTB	.7825	.4993	.0572	.0767		.6332		.9099	1.0336	25.0	
LEVER - SHIFTING TUBE	83506	1	HRS	.1506	.0575	.0121	.0346		.1042		.1497	.1701	50.0	
SHAFT - SHIFTING TUBE	83514	1	CRS	2.2368	.9938	.4154	.6482		2.0574		2.9565	3.3586	54.0	
PLUG - LOWER SHIFTING TUBE	83515	2	PLAS	.0020	.0062	.0638	.1052		.1752		.2518	.2860	10.0	
BEARING	83516	1	STL	.0831	.7500				.7500		1.0778	1.2244		
BUSHING - REINF. SHIFTING TUBE	83517	1	PLY	.0081	.0052	.0032	.0046		.0130		.0187	.0212	25.0	
ASSEMBLY COST					.0025	.1314	.1234		.2573		.3697	.4200	12.0	

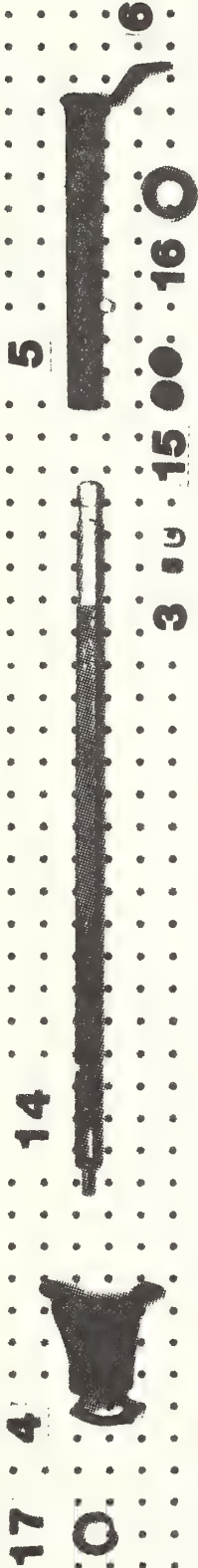
VEHICLE- 04- FORD CROWN VICTORIA

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			TOTAL			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	MATERIAL	LABOR	BURDEN	PRICE	PRICE	PRICE
ASM - STEERING COLUMN JACKET	183521	1	ASSY	1.8773	2.0301	.6383	.7424	3.4108	4.9015	5.5681	104.0		
JACKET HOUSING - STRG. COL.	183522	1	HRS	1.7991	1.2472	.3281	.3928	1.9681	2.8282	3.2128	37.0		
RETAINER - JACKET	183526	1	STWR	.0037	.0096	.0013	.0023	.0132	.0190	.0216	10.0		
SEAL - BEARING - JACKET	183531	1	RUB	.0044	.0175	.0349	.0414	.0938	.1348	.1531	40.0		
BEARING	183532	1	STL	.0701	.7500			.7500	1.0778	1.2244			
ASSEMBLY COST					.0058	.2740	.3059	.5857	.8417	.9562	17.0		

VEHICLE- 04- FORD CROWN VICTORIA

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING COLUMN MOUNT	83541	1	ASSY	1.9885	.8407	.5456	.6308	2.0171	2.8985	3.2927
MOUNTING BRACKET - TOP	83542	1	HRS	.2719	.0865	.0102	.0217	.1184	.1701	.1932
RUBBER CUSHION - ISOLATOR	83547	2	RUB	.0278	.0210	.0438	.0376	.1024	.1472	.1672
MOUNTING BRACKET - BOTTOM	83548	1	HRS	.1646	.0586	.0102	.0217	.0905	.1300	.1477
NYLON BUSHING	83549	2	NY	.0246	.0486	.0336	.0434	.1256	.1804	.2050
MOUNTING BRACKET	83551	1	PM	1.4996	.6097	.2161	.3220	1.1478	1.6494	1.9737
ASSEMBLY COST					.0163	.2317	.1844	.4324	.6214	.7059

1983 FORD CROWN VICTORIA BOARD 5



VEHICLE- 04- FORD CROWN VICTORIA

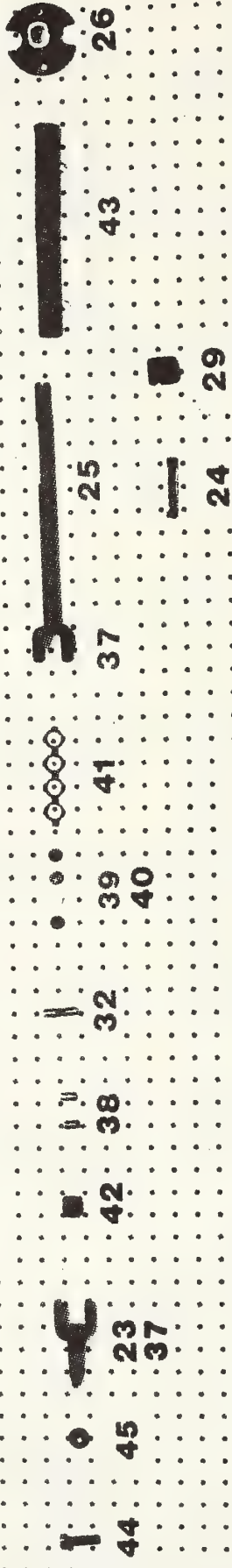
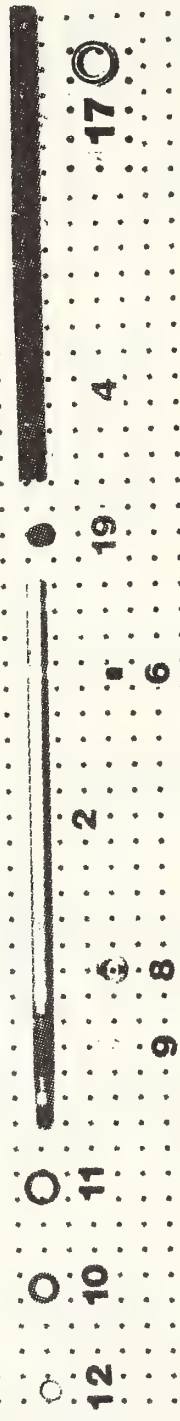
DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE/ CONSUMER		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING SHAFT	83601	1	ASSY	4.0054	3.4297	.7761	1.0748	5.2806	7.5885	8.6204
SHAFT - UPPER - STRG.	83602	1	CRS	2.2327	.9560	.1972	.3994	1.5526	2.2311	2.5345
SHAFT - LOWER - STRG.	83604	1	STB	1.5256	.9410	.1662	.2224	1.3296	1.9106	2.1704
CLIP - STRG. SHAFT	83606	2	CRS	.0044	.0042	.0102	.0330	.0474	.0682	.0774
COLLAR - SHAFT LOWER	83608	1	PM	.1065	.0442	.0436	.0844	.1722	.2475	.2812
SPACER - STRG. SHAFT	83609	1	NY	.0097	.0116	.0319	.0387	.0822	.1181	.1342
BEARING	83610	1	STL	.0291	.5500			.5500	.7904	.8979
SEAL - STRG. SHAFT	83611	1	RUB	.0059	.0230	.0349	.0414	.0993	.1427	.1621
RETAINER RING	83612	1	STL	.0022	.0400			.0400	.0575	.0653
BEARING - LOWER SHAFT	83617	1	STL	.0873	.8500			.8500	1.2215	1.3876
PLUG - LWR. STRG. SHAFT	83619	1	PLAS	.0020	.0051	.0319	.0526	.0896	.1288	.1463
ASSEMBLY COST					.0046	.2602	.2029	.4677	.6721	.7635

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VEHICLE- 04- FORD CROWN VICTORIA

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	MATERIAL	LABOR	BURDEN	TOTAL	PRICE	CONSUMER PRICE	TOOLING
ASM - INTERMEDIATE STEERING SHAFT	83621	1	CRS	4.3361	3.9079	1.8487	2.3250	8.0816	11.6132	13.1932	568.0
SHAFT - UPPER	83623	1	CRS	.2940	.1831	.2465	.3684	.7980	1.1467	1.3027	60.0
SPRING - INNER SHAFT RETAINER	83624	1	SSTL	.0256	.0256	.0048	.0129	.0433	.0622	.0707	15.0
SHAFT - LOWER (INNER)	83625	1	CRS	.8074	.5277	.2770	.3460	1.1507	1.6536	1.8785	60.0
FLANGE - FLEX COUPLING	83626	1	HRS	.3116	.2562	.0170	.0502	.3234	.4647	.5279	20.0
SEAL - INTER. SHAFT	83629	1	RUB	.0191	.0984			.0984	.1414	.1606	35.0
FULL PIN - UNIVERSAL ATTACHING	83632	1	CRS	.0394	.0162	.0057	.0201	.0420	.0604	.0686	15.0
UNIVERSAL BRACKET	83637	2	HRS	.6440	.2892	.0904	.1730	.5526	.7940	.9020	35.0
HALF PIN - UNIVERSAL COUPLING	83638	2	CRS	.0136	.0058	.0096	.0328	.0482	.0692	.0786	15.0
BEARING	83639	4	VAR	.0360	1.0000			1.0000	1.4372	1.6328	
BEARING COVER	83640	4	CRS	.0088	.0816			.0816	.1172	.1332	5.0
BEARING SPACER	83641	1	PLAS	.0004	.0185			.0185	.0266	.0302	32.0
U-JOINT - RETAINER BLOCK	83642	1	PM	.0853	.0340	.0437	.0863	.1640	.2357	.2678	36.0
LOWER TUBE - OUTER	83643	1	STTB	.8974	.4234	.0538	.0512	.5284	.7593	.8626	15.0
BOLT - SHAFT TO COLUMN	83644	1	CRS	.0746	.0730			.0730	.1049	.1192	
NUT - SHAFT TO COLUMN	83645	1	CRS	.0399	.0500			.0500	.0719	.0817	
FLEX PLATE - COUPLING (RAG) LWR.	83649	1	RFB	.0860	.0975	.0407	.0479	.1861	.2674	.3038	10.0
PLATE - FLEX PLATE TO FLG (BOTTOM)	83650	2	CRS	.0360	.0176	.0238	.0488	.0902	.1296	.1472	13.0
PLATE - FLEX PLATE TO FLANGE	83650A	1	HRS	.1850	.1894	.0119	.0361	.2374	.3411	.3875	20.0
BOLT - FLANGE TO SHAFT LWR. CPLG.	83651	1	CRS	.0370	.0450			.0450	.0647	.0735	
PIN - FLEX PLATE	83652	2	CRS	.1000	.0500			.0500	.0718	.0816	
BOLT - FLEX PLATE TO FLANGE	83653	2	CRS	.2060	.1500			.1500	.2156	.2450	
ADAPTOR - FLEX PLATE TO SHAFT	83654	1	HRS	.3610	.1967	.2293	.3467	.7727	1.1104	1.2614	112.0
NUT	83655	2	CRS	.0280	.0620			.0620	.0890	.1012	
ASSEMBLY COST					.0170	.7945	.7046	1.5161	2.1786	2.4749	70.0

1983 FORD CROWN VICTORIA BOARD 6



IN CM 6' 12' 15' 30'

VEHICLE- 05- FORD LTD

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE			CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE	PRICE	PRICE
FORD LTD		1		14.2683	9.8390	4.2331	5.5965	19.6686	28.2642	32.1085	1154.0		
ASM - SHIFTING TUBE	183501	1	11ASSY	3.4873	1.5224	.8379	1.1402	3.5005	5.0303	5.7143	194.0		
ASM - STEERING COLUMN JACKET	183521	1	11ASSY	1.7272	1.9203	.6409	.7509	3.3121	4.7596	5.4069	114.0		
ASM - STEERING COLUMN MOUNT	183541	1	11ASSY	1.9885	.8407	.5456	.6308	2.0171	2.8985	3.2927	182.0		
ASM - STEERING SHAFT	183601	1	11ASSY	3.8617	2.5803	.7761	1.0748	4.4312	6.3679	7.2338	206.0		
ASM - INTERMEDIATE STEERING SHAFT	183621	1	11ASSY	3.2036	2.9753	1.4326	1.9998	6.4071	9.2079	10.4608	458.0		
ASSEMBLY COST													

VEHICLE- 05- FORD LTD

DESCRIPTION	ITEM		VARIABLE MANUFACTURING COST				WHOLESALE/ CONSUMER/IDOLING	
	NO.	QTY/MATL	WEIGHT	MATERIAL	LABOR	BURDEN	TOTAL	PRICE PRICE 000S
ASM - SHIFTING TUBE	183501	1: ASSY	3.4873	1.5224	.8379	1.1402	3.5005	5.0303 5.7143 194.0
CLIP	183503	2: STL	.0066	.0400			.0400	.0574 .0652
MOUNTING BRACKET - SHIFTER	183504	1: HRS	.4425	.2073	.0677	.0977	.3727	.5356 .6084 50.0
SHIFTING TUBE - LOWER	183505	1: HRS	.7432	.2134	.0916	.0908	.3958	.5688 .6462 10.0
LEVER - TRANSMISSION LINKAGE	183506	1: HRS	.0480	.0415	.0133	.0272	.0820	.1178 .1338 20.0
SHAFT - SHIFTING TUBE	183514	1: CRS	2.2368	.9938	.4154	.6482	2.0574	2.9565 3.3586 54.0
PLUG - FOAM	183515	2: PLAS	.0020	.0062	.0638	.1052	.1752	.2518 .2860 10.0
BUSHING - SHIFTING MOUNT	183517	1: PLY	.0082	.0057	.0096	.0130	.0283	.0407 .0462 30.0
ASSEMBLY COST				.0145	.1765	.1581	.3491	.5017 .5699 20.0

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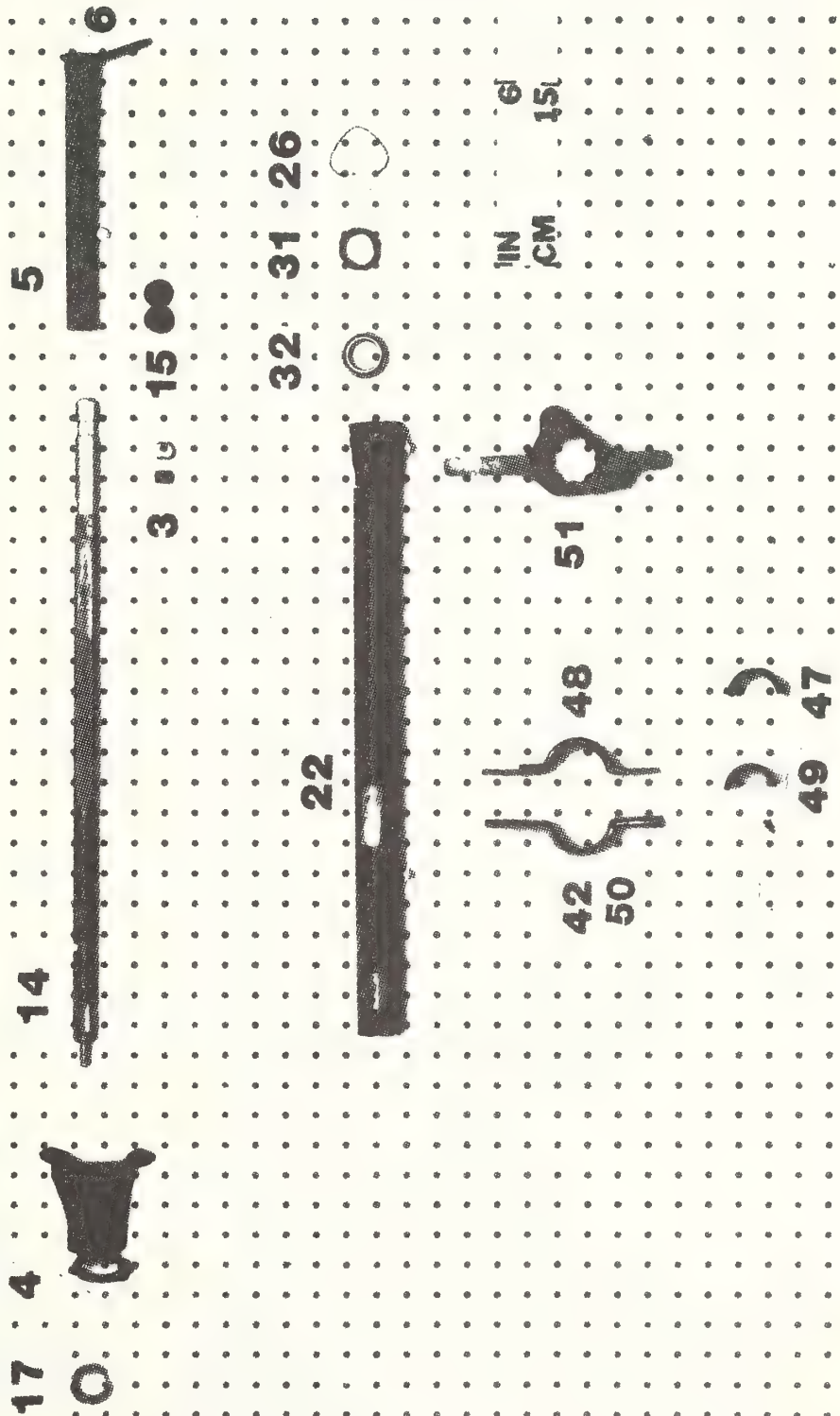
VEHICLE- 05- FORD LTD

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			TOTAL			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN				PRICE	PRICE	000S
ASM - STEERING COLUMN JACKET	183521	1	CLASSY	1.7272	1.9203	.6409	.7509	3.3121	4.7596	5.4069	114.0		
JACKET HOUSING - STRG. COL.	183522	1	HRS	1.6544	1.1427	.3281	.3928	1.8636	2.6780	3.0422	37.0		
RETAINER - BEARING - JACKET	183526	1	CRS	.0023	.0043	.0039	.0108	.0190	.0273	.0310	20.0		
SEAL - BEARING - JACKET	183531	1	RUB	.0041	.0175	.0349	.0414	.0938	.1348	.1531	40.0		
BEARING	183532	1	STL	.0664	.7500			.7500	1.0778	1.2244			
ASSEMBLY COST					.0058	.2740	.3059	.5857	.8417	.9562	17.0		

VEHICLE- 05- FORD LTD

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE/CONSUMER/LOADING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING COLUMN MOUNT	183541	1	ASSY	1.9885	.8407	.5456	.6308	2.0171	2.8985	3.2927
MOUNTING BRACKET - TOP	183542	1	HRS	.2719	.0865	.0102	.0217	.1184	.1701	.1932
RUBBER CUSHION - ISOLATOR	183547	2	RUB	.0278	.0210	.0438	.0376	.1024	.1472	.1672
MOUNTING BRACKET - BOTTOM	183548	1	HRS	.1646	.0586	.0102	.0217	.0905	.1300	.1477
NYLON RUSHING	183549	2	NY	.0246	.0486	.0336	.0434	.1256	.1804	.2050
MOUNTING BRACKET	183551	1	PM	1.4996	.6097	.2161	.3220	1.1478	1.6494	1.8737
ASSEMBLY COST					.0163	.2317	.1844	.4324	.6214	.7059

1983 FORD L.T.D. BOARD 5



VEHICLE- 05- FORD LTD

DESCRIPTION	ITEM	NO.	QTY	MATL	WEIGHT	MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	CONSUMER	TOOLING
ASM - STEERING SHAFT	183601	1	ASSY	1	3.8617	2.5803	.7761	1.0748	4.4312	6.3679	7.2338	206.0	
SHAFT - UPPER - STRG.	183602	1	CRS	1	2.2301	.9560	.1972	.3994	1.5526	2.2311	2.5345	25.0	
SHAFT - LOWER - STRG.	183604	1	STB	1	1.4658	.9410	.1662	.2224	1.3296	1.9106	2.1704	27.0	
CLIP - STRG. SHAFT	183606	2	CRS	1	.0062	.0042	.0102	.0330	.0474	.0682	.0774	20.0	
COLLAR - SHAFT LOWER	183608	1	PH	1	.1045	.0442	.0436	.0844	.1722	.2475	.2812	40.0	
SPACER - STRG. SHAFT	183609	1	NY	1	.0102	.0122	.0319	.0387	.0828	.1190	.1352	25.0	
BEARING	183610	1	STL	1	.0321	.5500			.5500	.7904	.8979		
SEAL - STRG. SHAFT	183611	1	RUB	1	.0056	.0230	.0349	.0414	.0993	.1427	.1621	40.0	
RETAINER RING	183612	1	STL	1	.0022	.0400			.0400	.0575	.0653		
PLUG - LWR. STRG. SHAFT	183619	1	PLAS	1	.0020	.0051	.0319	.0526	.0896	.1288	.1463	10.0	
ASSEMBLY COST						.0046	.2602	.2029	.4677	.6721	.7635	19.0	

VEHICLE- 05-
FORD LTD

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING			
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE
ASM - INTERMEDIATE STEERING SHAFT	83621	1	ASSY	3.2036	2.9753	1.4326	1.9998	6.4077	9.2079	10.4608	458.0
SHAFT - UPPER	83623	1	CRS	.2940	.1831	.2465	.3684	.7980	1.1467	1.3027	60.0
SHAFT - LOWER	83625	1	CRS	.7636	.3453	.0880	.2307	.6640	.9542	1.0840	20.0
FLANGE - LOWER COUPLING	83626	1	HRS	.1650	.0586	.0136	.0535	.1257	.1806	.2052	25.0
FULL PIN - UNIVERSAL ATTACHING	83632	1	CRS	.0394	.0162	.0057	.0201	.0420	.0604	.0686	15.0
UNIVERSAL BRACKET	83637	2	HRS	.6440	.2892	.0904	.1730	.5526	.7940	.9020	35.0
HALF PIN - UNIVERSAL COUPLING	83638	2	CRS	.0136	.0058	.0096	.0328	.0482	.0692	.0786	15.0
BEARING	83639	4	VAR	.0360	1.0000			1.0000	1.4372	1.6328	
BEARING COVER	83640	4	CRS	.0088	.0816			.0816	.1172	.1332	5.0
BEARING SPACER	83641	1	PLAS	.0004	.0185			.0185	.0266	.0302	32.0
U-JOINT - RETAINER BLOCK	83642	1	PM	.0853	.0340	.0437	.0863	.1640	.2357	.2678	36.0
BOLT - SHAFT TO COLUMN	83644	1	CRS	.0746	.0730			.0730	.1049	.1192	
NUT - SHAFT TO COLUMN BOLT	83645	1	CRS	.0399	.0500			.0500	.0719	.0817	
FLEX PLATE - COUPLING (RAG) LWR.	83649	1	RFB	.0860	.0975	.0407	.0479	.1861	.2674	.3038	10.0
PLATE - FLEX PLATE TO FLG (BOTTOM)	83650	2	CRS	.0360	.0176	.0238	.0488	.0902	.1296	.1472	13.0
PLATE - FLEX PLATE TO FLANGE	83650A	1	HRS	.1850	.1894	.0119	.0361	.2374	.3411	.3875	20.0
BOLT - FLANGE TO SHAFT LWR. CPLG.	83651	1	CRS	.0370	.0450			.0450	.0647	.0735	
PIN - FLEX PLATE	83652	2	CRS	.1000	.0500			.0500	.0718	.0816	
BOLT - FLEX PLATE TO FLANGE	83653	2	CRS	.2060	.1500			.1500	.2156	.2450	
ADAPTOR - FLEX PLATE TO SHAFT	83654	1	HRS	.3610	.1967	.2293	.3467	.7727	1.1104	1.2614	112.0
NUT	83655	2	CRS	.0280	.0620			.0620	.0890	.1012	
ASSEMBLY COST					.0118	.6294	.5555	1.1967	1.7197	1.9536	60.0

1983 FORD L.T.D. BOARD 6



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VEHICLE- 06- FORD MUSTANG

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
FORD MUSTANG		1		10.4744	7.7522	3.1311	4.0390	14.9223	21.4435	24.3603
ASM - STEERING COLUMN JACKET	183521	1	ASSY	1.7294	1.9206	.4716	.5117	2.9039	4.1729	4.7404
ASM - STEERING COLUMN MOUNT	183541	1	ASSY	1.9885	.8407	.5456	.6308	2.0171	2.8985	3.2927
ASM - STEERING SHAFT	183601	1	ASSY	3.5529	2.0156	.6813	.8967	3.5936	5.1642	5.8664
ASM - INTERMEDIATE STEERING SHAFT	183621	1	ASSY	3.2036	2.9753	1.4326	1.9998	6.4077	9.2079	10.4608
ASSEMBLY COST										

VEHICLE- 06- FORD MUSTANG

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING COLUMN JACKET	83521	1	ASSY	1.7294	1.9206	.4716	.5117	2.9039	4.1729	4.7404
JACKET HOUSING - STRG. COL.	83522	1	HRS	1.6544	1.1427	.3281	.3928	1.8636	2.6780	3.0422
RETAINER - JACKET	83526	1	STWR	.0037	.0094	.0013	.0023	.0130	.0187	.0212
SEAL - BEARING - JACKET	83531	1	RUB	.0044	.0167	.0349	.0414	.0930	.1336	.1518
BEARING	83532	1	STL	.0669	.7500			.7500	1.0778	1.2244
ASSEMBLY COST					.0018	.1073	.0752	.1843	.2648	.3008

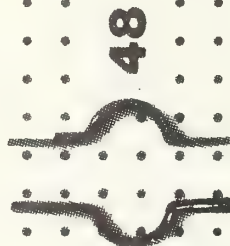
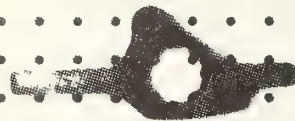
VEHICLE- 06- FORD MUSTANG

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING COLUMN MOUNT	183541	1	ASSY	1.9885	.8407	.5456	.6308	2.0171	2.8985	3.2927
MOUNTING BRACKET - TOP	183542	1	HRS	.2719	.0865	.0102	.0317	.1184	.1701	.1932
RUBBER CUSHION - ISOLATOR	183547	2	RUB	.0278	.0210	.0438	.0376	.1024	.1472	.1672
MOUNTING BRACKET - BOTTOM	183548	1	HRS	.1646	.0586	.0102	.0317	.0905	.1300	.1477
NYLON RUSHING	183549	2	NY	.0246	.0486	.0336	.0434	.1256	.1804	.2050
MOUNTING BRACKET	183551	1	PH	1.4996	.6097	.2161	.3220	1.1478	1.6494	1.8737
ASSEMBLY COST					.0163	.2317	.1844	.4324	.6214	.7059

1983 FORD MUSTANG BOARD 5

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VEHICLE- 06- FORD MUSTANG

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER LIDDLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING SHAFT	183601	1	11ASSY	3.5529	2.0156	.6813	.8967	3.5936	5.1642	5.8664
SHAFT - UPPER - STRG.	183602	1	11CRS	2.0103	.8756	.1972	.3994	1.4722	2.1156	2.4033
SHAFT - LOWER - STRG.	183604	1	11HRS	1.3843	.4718	.1094	.1009	.6821	.9802	1.1135
CLIP - STRG. SHAFT	183606	2	11CRS	.0064	.0042	.0102	.0330	.0474	.0682	.0774
COLLAR - SHAFT LOWER	183608	1	11PM	.1031	.0409	.0436	.0844	.1689	.2427	.2757
SPACER - STRG. SHAFT	183609	1	11NY	.0104	.0119	.0319	.0387	.0825	.1186	.1347
BEARING	183610	1	11STL	.0318	.5500			.5500	.7904	.8979
SEAL - STRG. SHAFT	183611	1	11RUB	.0044	.0167	.0349	.0414	.0930	.1336	.1518
RETAINER RING	183612	1	11STL	.0022	.0400			.0400	.0575	.0653
ASSEMBLY COST					.0045	.2541	.1989	.4575	.6574	.7468

VEHICLE- 06- FORD MUSTANG

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST				WHOLESALE/CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	000S
ASM - INTERMEDIATE STEERING SHAFT	183621	1	1ASSY	3.2036	2.9753	1.4326	1.9998	6.4077	9.2079	10.4608	458.0
SHAFT - UPPER	183623	1	1CRS	.2940	.1831	.2465	.3684	.7980	1.1467	1.3027	60.0
SHAFT - LOWER	183625	1	1CRS	.7636	.3453	.0880	.2307	.6640	.9542	1.0840	20.0
FLANGE - LOWER COUPLING	183626	1	1HRS	.1650	.0586	.0136	.0535	.1257	.1806	.2052	25.0
FULL PIN - UNIVERSAL ATTACHING	183632	1	1CRS	.0394	.0162	.0057	.0201	.0420	.0604	.0686	15.0
UNIVERSAL BRACKET	183637	2	1HRS	.6440	.2892	.0904	.1730	.5526	.7940	.9020	35.0
HALF PIN - UNIVERSAL COUPLING	183638	2	1CRS	.0136	.0058	.0096	.0328	.0482	.0692	.0786	15.0
BEARING	183639	4	1VAR	.0360	1.0000			1.0000	1.4372	1.6328	
BEARING COVER	183640	4	1CRS	.0088	.0816			.0816	.1172	.1332	5.0
BEARING SPACER	183641	1	1PLAS	.0004	.0185			.0185	.0266	.0302	32.0
U-JOINT - RETAINER BLOCK	183642	1	1PM	.0853	.0340	.0437	.0863	.1640	.2357	.2678	36.0
BOLT - SHAFT TO COLUMN	183644	1	1CRS	.0746	.0730			.0730	.1049	.1192	
NUT - SHAFT TO COLUMN	183645	1	1CRS	.0399	.0500			.0500	.0719	.0817	
FLEX PLATE - COUPLING (RAG) LWR.	183649	1	1RFB	.0860	.0975	.0407	.0479	.1861	.2674	.3038	10.0
PLATE - FLEX PLATE TO FLG (BOTTOM)	183650	2	1CRS	.0360	.0176	.0238	.0488	.0902	.1296	.1472	13.0
PLATE - FLEX PLATE TO FLANGE	183650A	1	1HRS	.1850	.1894	.0119	.0361	.2374	.3411	.3875	20.0
BOLT - FLANGE TO SHAFT LWR. CPLG.	183651	1	1CRS	.0370	.0450			.0450	.0647	.0735	
PIN - FLEX PLATE	183652	2	1CRS	.1000	.0500			.0500	.0718	.0816	
BOLT - FLEX PLATE TO FLANGE	183653	2	1CRS	.2060	.1500			.1500	.2156	.2450	
ADAPTOR - FLEX PLATE TO SHAFT	183654	1	1HRS	.3610	.1967	.2293	.3467	.7727	1.1104	1.2614	112.0
NUT	183655	2	1CRS	.0280	.0620			.0620	.0890	.1012	
ASSEMBLY COST					.0118	.6294	.5555	1.1967	1.7197	1.9536	60.0

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1983 FORD MUSTANG BOARD 6



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VEHICLE- 07- CHRYSLER FIFTH AVENUE

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST	TOTAL	WHOLESALE CONSUMER TOOLING	
							PRICE	PRICE
CHRYSLER FIFTH AVENUE		1		10.2939	9.9268	3.5063	5.0228	18.4559
ASM - SHIFTING TUBE	183501	1	11ASSY	1.0880	.7789	.5450	.6114	1.9353
ASM - STEERING COLUMN JACKET	183521	1	11ASSY	1.7867	.7691	.4602	.6978	1.9271
ASM - STEERING COLUMN MTG. BRACKET	183541	1	11ASSY	2.0015	1.1844	.1183	.1909	1.4936
ASM - STEERING SHAFT	183601	1	11ASSY	3.1175	4.2905	.6776	1.0028	5.9709
ASM - INTERMEDIATE STEERING SHAFT	183621	1	11ASSY	2.3002	2.9039	1.7052	2.5199	7.1290
ASSEMBLY COST								10.2444
								11.6378
								145.0
								185.0
								193.0
								466.0

VEHICLE- 07- CHRYSLER FIETH AVENUE

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST				WHOLESALE CONSUMER TOOLING			
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE	PRICE
ASM - SHIFTING TUBE	83501	1	ASSY	1.0880	.7789	.5450	.6114	1.9353	2.7810	3.1592	180.5	
SHIFTING TUBE - UPPER	83502	1	STTB	.5660	.3582	.1631	.1958	.7171	1.0305	1.1706	34.5	
CLIP	83503	2	INY	.0028	.0020			.0020	.0028	.0032		
SHIFTING TUBE - LOWER	83505	1	STTB	.4200	.2646	.1462	.1766	.5874	.8441	.9589	37.0	
LEVER - SHIFTING TUBE	83506	1	CRS	.0579	.0986	.0121	.0346	.1453	.2088	.2372	50.0	
PAD - UPPER SHIFTING TUBE	83507	1	CRS	.0146	.0058	.0029	.0076	.0163	.0234	.0266	15.0	
COLLAR - SHIFTING TUBE	83510	1	PLYF	.0057	.0131	.0638	.0526	.1295	.1861	.2114	10.0	
SLEEVE - SHIFTING TUBE	83512	1	PLAS	.0210	.0337	.0064	.0068	.0469	.0674	.0766	15.0	
ASSEMBLY COST					.0029	.1505	.1374	.2908	.4179	.4747	19.0	

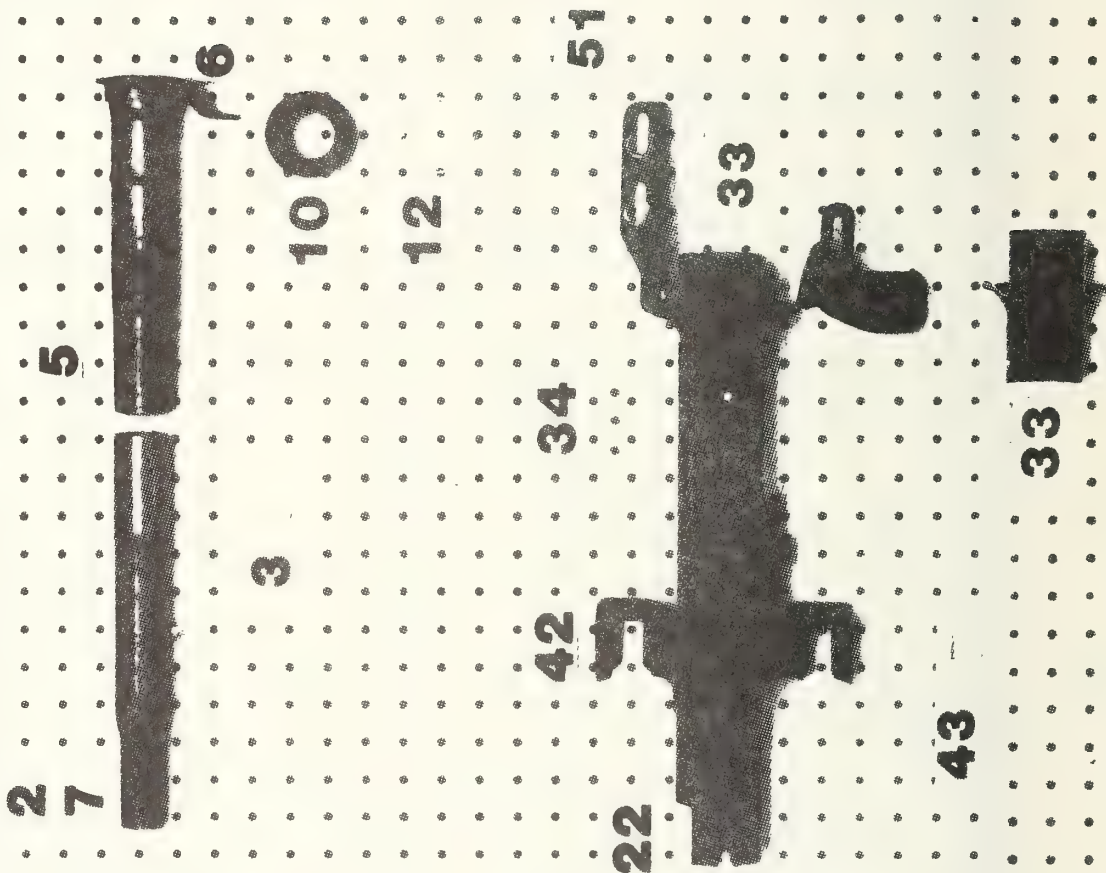
VEHICLE- 07- CHRYSLER FIFTH AVENUE

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING COLUMN JACKET	183521	1	1	1.7867	.7691	.4602	.6978	1.9271	2.7693	3.1461
JACKET - HOUSING - STRG. COL.	183522	1	1	1.0959	.5299	.0827	.2039	.8165	1.1733	1.3329
SLEEVE - STRG. COL. JACKET MSG.	183533	1	1	.6890	.1878	.0902	.1721	.4501	.6468	.7348
RIVET	183534	3	1	.0018	.0150			.0150	.0216	.0246
ASSEMBLY COST					.0364	.2873	.3218	.6455	.9276	1.0538

VEHICLE- 07- CHRYSLER FIFTH AVENUE

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING COLUMN MTG. BRACKET	183541	1	11ASSY	2.0015	1.1844	.1183	.1909	1.4936	2.1464	2.4382
MTG. BRACKET - STRG. COL.	183542	1	11HRS	1.0679	.3749	.0041	.0131	.3921	.5634	.6400
SPACER - STRG. COL. BRKT.	183543	2	21PLYP	.0348	.0196	.0192	.0260	.0648	.0932	.1058
LOWER MTG. BRACKET - STRG. COL.	183551	1	11HRS	.8988	.7892	.0550	.1260	.9702	1.3942	1.5838
ASSEMBLY COST					.0007	.0400	.0258	.0665	.0956	.1086

1983 CHRYSLER 5th AVE. BOARD 5



VEHICLE- 07- CHRYSLER FIFTH AVENUE

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	VARIABLE MANUFACTURING COST				WHOLESALE CONSUMER TOOLING			
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE	PRICE
ASM - STEERING SHAFT	83601	1	ASSY	3.1175	4.2905	.6776	1.0028	5.9709	8.5803	9.7475	193.0	
SHAFT - UPPER STEERING	83602	1	CRS	1.5359	.6462	.1950	.3481	1.1893	1.7090	1.9414	19.0	
SHAFT - LOWER STEERING	83604	1	STTB	1.0263	.3276	.0566	.0539	.4381	.6295	.7151	5.0	
PIN	83605	1	STL	.0139	.0050			.0050	.0072	.0082		
BEARING	83610	1	STL	.0313	.5500			.5500	.7904	.8979		
RETAINER RING	83612	1	STL	.0019	.0400			.0400	.0575	.0653		
UNIVERSAL BRACKET - STRG. SHAFT	83612J	1	CRS	.2290	.1317	.0228	.0571	.2116	.3041	.3455	50.0	
BEARING	83612K	4	VAR	.0576	1.0000			1.0000	1.4372	1.6328		
BEARING SPACER	83612L	4	VAR	.0044	.6400			.6400	.9196	1.0448		
UNIVERSAL JOINT - STRG. SHAFT	83613A	1	FRG	.1012	.0191	.1916	.3688	.5795	.8327	.9459	85.0	
O-RING - UPPER SHAFT	83614	1	RUB	.0003	.0500			.0500	.0719	.0817		
PLASTIC RETAINER	83616	2	PLAS	.0060	.0020			.0020	.0028	.0032		
BEARING - LOWER SHAFT	83617	1	STL	.0844	.8000			.8000	1.1496	1.3059		
SPRING - LOWER SHAFT	83618	1	STL	.0253	.0750			.0750	.1078	.1225		
ASSEMBLY COST					.0039	.2116	.1749	.3904	.5610	.6373	34.0	

VEHICLE- 07- CHRYSLER FIFTH AVENUE

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			TOTAL			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	MATERIAL	LABOR	BURDEN	PRICE	PRICE	0005
ASM - INTERMEDIATE STEERING SHAFT	83621	1	ASSY	2.3002	2.9039	1.7052	2.5199	7.1290	10.2444	11.6378	466.0		
SHAFT - UPPER	83623	1	STTB	.3515	.2344	.0404	.0391	.3139	.4511	.5124	17.0		
SPRING - LOWER SHAFT	83624	1	SSTL	.0500	.0480	.0044	.0180	.0724	.1040	.1181	20.0		
SHAFT - LOWER INTERMEDIATE	83625	1	DRS	.5187	.2863	.2440	.5065	1.0369	1.4899	1.6925	58.0		
FLANGE - LOWER COUPLING	83626	1	FRG	.2921	.1195	.4433	.6687	1.2315	1.7697	2.0104	94.0		
ASM - COUPLING SEAL	83628	1	ASSY	.1596	.1167	.0662	.0605	.2434	.3497	.3973	42.0		
LOWER SEAL	83629	1	NY	.0402	.0824	.0077	.0104	.1005	.1444	.1640	35.0		
UNIVERSAL BRACKET	83637	1	HRS	.3220	.1446	.0452	.0865	.2763	.3970	.4510	35.0		
BEARING	83639	1	VAR	.0576	1.0000			1.0000	1.4372	1.6328			
BEARING SPACER	83641	1	VAR	.0044	.6400			.6400	.9196	1.0448			
UNIVERSAL JOINT - INTER. SHAFT	83642	1	FRG	.1012	.0191	.1916	.3688	.5795	.8327	.9459	85.0		
SHAFT (TUBE) - LOWER COUPLING	83643	1	HRS	.4029	.2016	.1350	.2627	.5993	.8612	.9783	35.0		
ASSEMBLY COST					.0113	.5254	.4987	1.0354	1.4879	1.6903	45.0		

VEHICLE- 07- CHRYSLER FIFTH AVENUE

DESCRIPTION	ITEM NO.	QTY	MTRL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE/CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - COUPLING SEAL	183628	1	1	1596	.1167	.0662	.0605	.2434	.3497	.3973
INSERT - SEAL	183628A	1	1	1118	.0623	.0016	.0036	.0675	.0970	.1102
RUBBER - SEAL	183628B	1	1	1118	.0532			.0532	.0764	.0868
ASSEMBLY COST					.0012	.0646	.0569	.1227	.1763	.2003
										40.0

1983 CHRYSLER 5th AVE. BOARD 6

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VEHICLE- 08- CHRYSLER E-CLASS

DESCRIPTION	ITEM	NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			TOTAL	WHOLESALE CONSUMER PRICE		
						MATERIAL	LABOR	BURDEN		PRICE	PRICE	
CHRYSLER E-CLASS												
ASM - SHIFTING TUBE	183501	1	1	ASSY	1.0895	.7858	.5450	.6114	1.9422	2.7909	3.1704	180.5
ASM - STEERING COLUMN JACKET	183521	1	1	ASSY	1.7867	.7691	.4602	.6978	1.9271	2.7693	3.1461	245.0
ASM - STEERING COLUMN MTG. BRACKET	183541	1	1	ASSY	2.0015	1.1844	.1183	.1909	1.4936	2.1464	2.4392	185.0
ASM - STEERING SHAFT	183601	1	1	ASSY	3.1982	4.4675	.8169	1.0007	6.2851	9.0317	10.2603	133.0
ASM - INTERMEDIATE STEERING SHAFT	183621	1	1	ASSY	2.4098	3.0680	1.6381	2.3590	7.0651	10.1527	11.5337	454.0
ASSEMBLY COST												

VEHICLE- 08- CHRYSLER E-CLASS

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - SHIFTING TUBE	183501	1	ASSY	1.0895	.7858	.5450	.6114	1.9422	2.7909	3.1704
SHIFTING TUBE - UPPER	183502	1	STTB	.5660	.3582	.1631	.1958	.7171	1.0305	1.1706
CLIP	183503	2	NY	.0016	.0020			.0020	.0028	.0032
SHIFTING TUBE - LOWER	183505	1	STTB	.4200	.2646	.1462	.1766	.5874	.8441	.9589
LEVER - SHIFTING TUBE	183506	1	CRS	.0579	.0986	.0121	.0346	.1453	.2088	.2372
PAD - UPPER SHIFTING TUBE	183507	1	CRS	.0146	.0058	.0029	.0076	.0163	.0234	.0266
COLLAR - SHIFTING TUBE	183510	1	PLYF	.0088	.0206	.0638	.0526	.1370	.1969	.2237
SLEEVE - SHIFTING TUBE	183512	1	PLAS	.0206	.0331	.0064	.0068	.0463	.0665	.0755
ASSEMBLY COST					.0029	.1505	.1374	.2908	.4179	.4747

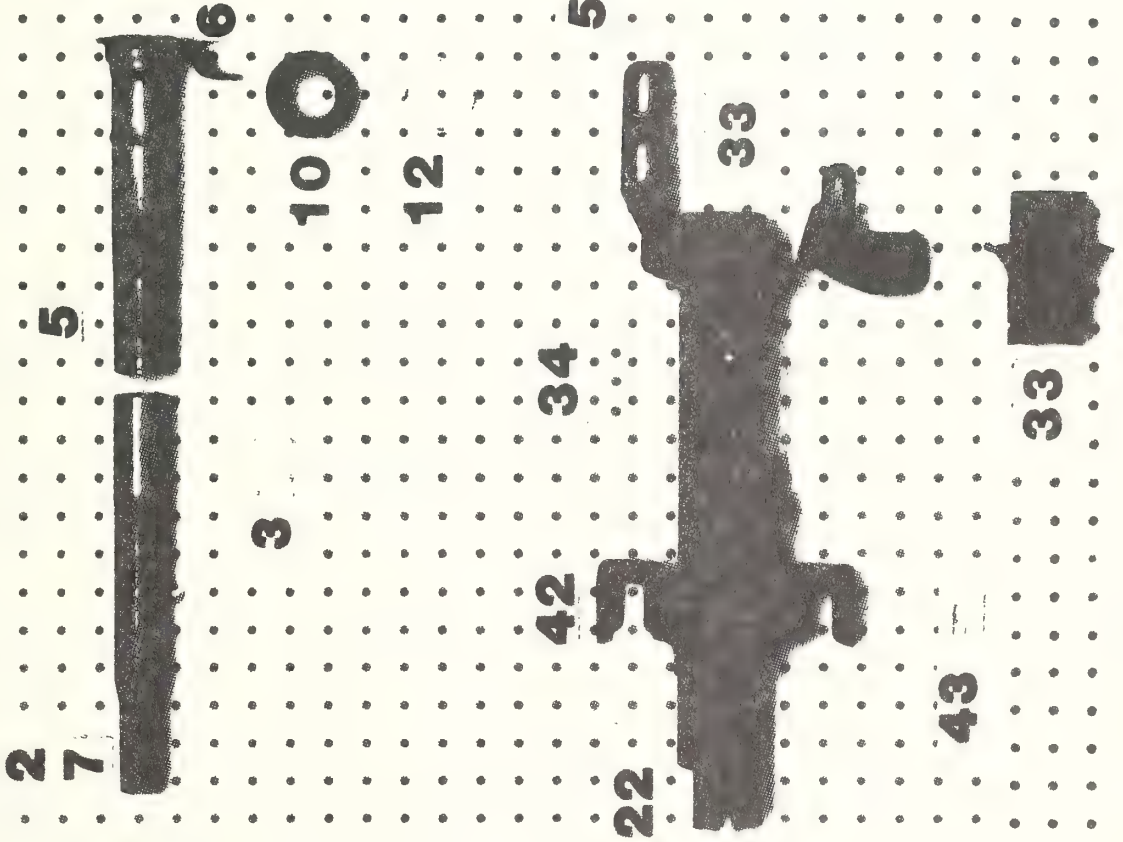
VEHICLE-- 08-- CHRYSLER E-CLASS

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			TOTAL			WHOLESALE			CONSUMER		
					LABOR	BURDEN				PRICE		PRICE		PRICE		PRICE
ASM - STEERING COLUMN JACKET	83521	1	ASSY	1.7867	.7691	.4602	.6978	1.9271	2.7693	3.1461	245.0					
JACKET - HOUSING - STRG. COL.	83522	1	CRS	1.0959	.5299	.0827	.2039	.8165	1.1733	1.3329	130.0					
SLEEVE - STRG. COL. JACKET HSG.	83533	1	HRS	.6890	.1878	.0902	.1721	.4501	.6468	.7348	65.0					
RIVET	83534	3	STL	.0018	.0150			.0150	.0216	.0246						
ASSEMBLY COST					.0364	.2873	.3218	.6455	.9276	1.0538	50.0					

VEHICLE- 08- CHRYSLER E-CLASS

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	VARIABLE MANUFACTURING COST			TOTAL			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	MATERIAL	LABOR	BURDEN	PRICE	PRICE	PRICE
ASM - STEERING COLUMN MTG. BRACKET	183541	1	1	ASSY	2.0015	1.1844	.1183	.1909	1.4936	2.1464	2.4382	185.0	
MTG. BRACKET - STRG. COL.	183542	1	1	HRS	1.0679	.3749	.0041	.0131	.3921	.5634	.6400	50.0	
SPACER - STRG. COL. BRKT.	183543	1	2	PLY	.0348	.0196	.0192	.0260	.0648	.0932	.1058	30.0	
LOWER MTG. BRACKET - STRG. COL.	183551	1	1	HRS	.8988	.7892	.0550	.1260	.9702	1.3942	1.5839	100.0	
ASSEMBLY COST						.0007	.0400	.0258	.0665	.0956	.1086	5.0	

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VEHICLE- 08- CHRYSLER E-CLASS

DESCRIPTION	ITEM NO.	QTY	MTRL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE/CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING SHAFT	83601	1	ASSY	3.1882	4.4675	.8169	1.0007	6.2851	9.0317	10.2603
SHAFT - UPPER - STRG.	83602	1	CRS	1.5371	.6031	.1950	.3481	1.1462	1.6471	1.8711
SHAFT - LOWER - STRG.	83604	1	HRS	1.0263	.3182	.0566	.0539	.4287	.6160	.6978
BEARING	83610	1	STL	.0314	.5500			.5500	.7904	.8979
RETAINER RING	83612	1	STL	.0027	.0400			.0400	.0575	.0653
UNIVERSAL BRACKET - STRG. SHAFT	83612J	1	CRS	.2290	.1317	.0228	.0571	.2116	.3041	.3455
ASM - STRG. SHAFT UNIVERSAL JOINT	83613D	1	ASSY	.2352	1.8339	.3464	.3751	2.5554	3.6721	4.1717
O-RING - UPPER SHAFT	83614	1	RUB	.0004	.0500			.0500	.0719	.0817
DOWEL PIN - UPPER SHAFT	83615	1	STL	.0125	.0600			.0600	.0862	.0979
PLASTIC RETAINER	83616	2	PLAS	.0024	.0020			.0020	.0028	.0032
BEARING - LOWER SHAFT	83617	1	STL	.0862	.8000			.8000	1.1496	1.3059
SPRING - LOWER SHAFT	83618	1	STL	.0250	.0750			.0750	1.078	1.225
ASSEMBLY COST					.0036	.1961	.1665	.3662	.5262	.5978

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VEHICLE- 08- CHRYSLER E-CLASS.

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	MATERIAL	LABOR	BURDEN	TOTAL	WHOLESALE CONSUMER TOOLING	
									PRICE	PRICE
ASM - INTERMEDIATE STEERING SHAFT	83621	1	ASSY	2.4098	3.0680	1.6381	2.3590	7.0651	10.1527	11.5337
SHAFT - UPPER	83623	1	STTB	.3515	.2344	.0404	.0391	.3139	.4511	.5124
SPRING - LOWER SHAFT	83624	1	SSTL	.0504	.0703	.0064	.0180	.0947	.1361	.1546
SHAFT - LOWER INTERMEDIATE	83625	1	CRS	.5187	.2875	.3072	.5717	1.1664	1.6761	1.9040
FLANGE - LOWER COUPLING	83626	1	FRG	.3294	.1509	.4433	.6697	1.2629	1.8148	2.0616
ASM - COUPLING SEAL	83628	1	ASSY	.1596	.1147	.0685	.0640	.2472	.3552	.4035
LOWER SEAL	83629	1	NY	.0750	.1567	.0077	.0104	.1748	.2512	.2854
FULL PIN - UNIVERSAL ATTACHING	83632	1	CRS	.0394	.0162	.0057	.0201	.0420	.0604	.0686
UNIVERSAL BRACKET	83637	1	HRS	.3220	.1446	.0452	.0845	.2763	.3970	.4510
HALF PIN - UNIVERSAL COUPLING	83638	2	CRS	.0136	.0058	.0096	.0328	.0482	.0692	.0786
BEARING	83639	4	VAR	.0576	1.0000			1.0000	1.4372	1.6328
BEARING SPACER	83641	4	VAR	.0041	.6400			.6400	.9196	1.0448
U-JOINT - RETAINER BLOCK	83642	1	PM	.0853	.0340	.0437	.0863	.1640	.2357	.2678
SHAFT (TUBE) - LOWER COUPLING	83643	1	HRS	.4029	.2016	.1350	.2627	.5993	.8612	.9783
ASSEMBLY COST					.0113	.5254	.4987	1.0354	1.4879	1.6903

VEHICLE- 08- CHRYSLER E-CLASS

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - COUPLING SEAL	83628	1	ASSY	.1596	.1147	.0685	.0640	.2472	.3552	.4035
INSERT - SEAL	83628A	1	STB	.0920	.0603	.0039	.0071	.0713	.1025	.1164
RUBBER - SEAL	83628B	1	RUB	.0676	.0532			.0532	.0764	.0868
ASSEMBLY COST					.0012	.0646	.0569	.1227	.1763	.2003

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VEHICLE- 09- CHRYSLER/PLYMOUTH RELIANT

DESCRIPTION	ITEM1	NO.1	QTY	MATL	WEIGHT	MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	TOOLING
CHRYSLER/PLYMOUTH RELIANT					10.5135	10.2970	3.5688	4.8705	18.7363	26.9243	30.5867	1207.5
ASM - SHIFTING TUBE				1	1.0895	.7858	.5450	.6114	1.9422	2.7909	3.1704	180.5
ASM - STEERING COLUMN JACKET				1	1.7867	.7691	.4602	.6978	1.9271	2.7493	3.1461	245.0
ASM - STEERING COLUMN MTG. BRACKET				1	2.0393	1.2046	.1109	.2051	1.5206	2.1852	2.4824	195.0
ASM - STEERING SHAFT				1	3.1882	4.4675	.8169	1.0007	6.2851	9.0317	10.2603	133.0
ASM - INTERMEDIATE STEERING SHAFT				1	2.4098	3.0700	1.6358	2.3555	7.0613	10.1472	11.5275	454.0
ASSEMBLY COST												

VEHICLE- 09- CHRYSLER/PLYMOUTH RELIANT

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - SHIFTING TUBE	183501	1	1ASSY	1.0895	.7858	.5450	.6114	1.9422	2.7909	3.1704
SHIFTING TUBE - UPPER	183502	1	1STTB	.5660	.3582	.1631	.1958	.7171	1.0305	1.1706
CLIP	183503	2	1NY	.0016	.0020			.0020	.0028	.0032
SHIFTING TUBE - LOWER	183505	1	1STTB	.4200	.2646	.1462	.1766	.5874	.8441	.9589
LEVER - SHIFTING TUBE	183506	1	1CRS	.0579	.0986	.0121	.0346	.1453	.2088	.2372
PAD - UPPER SHIFTING TUBE	183507	1	1CRS	.0146	.0058	.0029	.0076	.0163	.0234	.0266
COLLAR - SHIFTING TUBE	183510	1	1PLYF	.0088	.0206	.0638	.0526	.1370	.1969	.2237
SLEEVE - SHIFTING TUBE	183512	1	1PLAS	.0206	.0331	.0064	.0068	.0463	.0665	.0755
ASSEMBLY COST					.0029	.1505	.1374	.2908	.4179	.4747

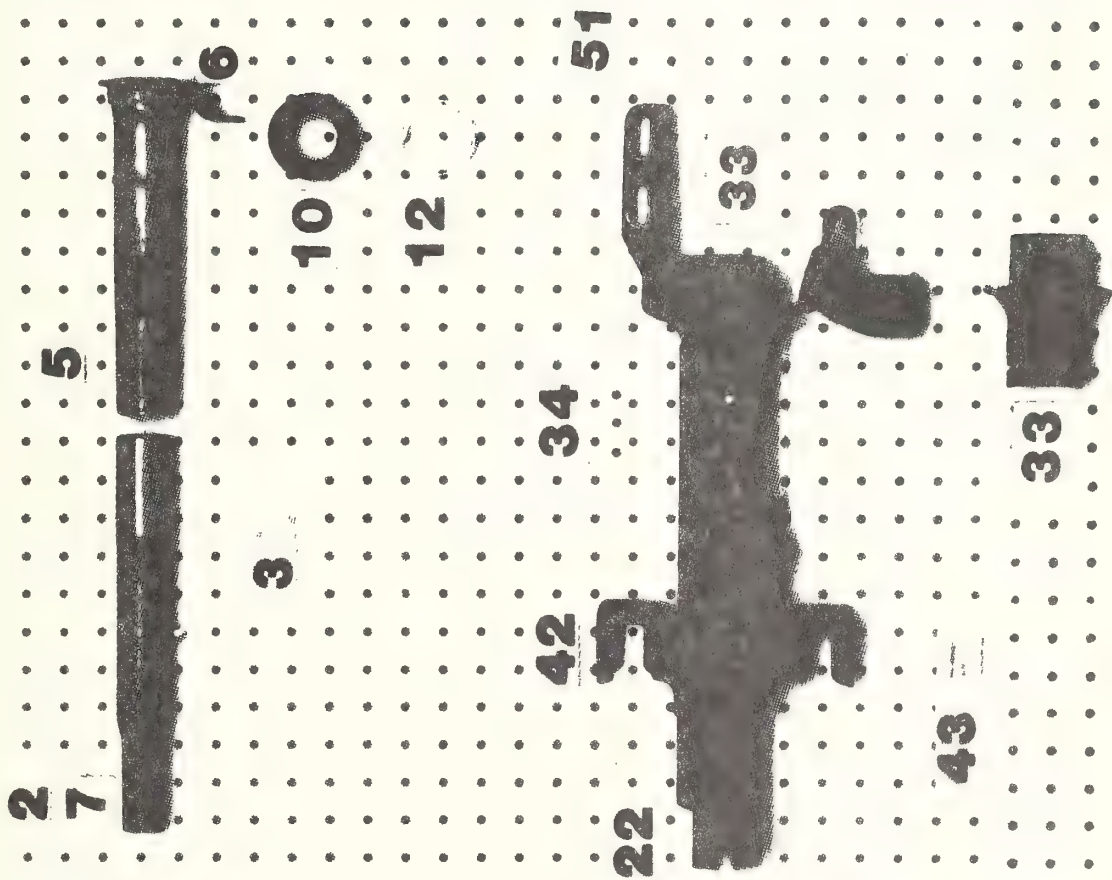
VEHICLE- 99- CHRYSLER/PLYMOUTH RELIANT

DESCRIPTION	ITEM	NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST				WHOLESALE/CONSUMER/DOQLNG		
						MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE
ASM - STEERING COLUMN JACKET	183521	1	1	ASSY	1.7867	.7691	.4602	.6978	1.9271	2.7693	3.1461	245.0
JACKET - HOUSING - STRG. COL.	183522	1	1	CRS	1.0959	.5299	.0827	.2039	.8165	1.1733	1.3329	130.0
SLEEVE - STRG. COL. JACKET HSG.	183533	1	1	HRS	.6890	.1873	.0902	.1721	.4501	.6468	.7348	65.0
RIVET	183534	3	3	STL	.0018	.0150			.0150	.0216	.0246	
ASSEMBLY COST						.0364	.2873	.3218	.6455	.9276	1.0538	50.0

CHRYSLER/PLYMOUTH

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	VARIABLE MANUFACTURING COST			TOTAL			WHOLESALE CONSUMER PRICING		
					MATERIAL	LABOR	BURDEN	MATERIAL	LABOR	BURDEN	PRICE	PRICE	PRICE
ASM - STEERING COLUMN MTG. BRACKET	183541	1	ASSY	2.0393	1.2046	.1109	.2051	1.5206	2.1852	2.4824	195.0		
MTG. BRACKET - STRG. COL.	183542	1	HRS	1.0679	.3749	.0041	.0131	.3921	.5634	.6400	50.0		
SPACER NUT - STRG. COL. BRKT.	183543	2	ZN	.0726	.0398	.0118	.0402	.0918	.1320	.1500	40.0		
LOWER MTG. BRACKET - STRG. COL.	183551	1	HRS	.8988	.7892	.0550	.1260	.9702	1.3942	1.5838	100.0		
ASSEMBLY COST					.0007	.0400	.0258	.0665	.0956	.1086	5.0		

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VEHICLE- 09- CHRYSLER/PLYMOUTH RELIANT

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	VARIABLE MANUFACTURING COST			TOTAL			WHOLESALE CONSUMER PRICE		
ASM - STEERING SHAFT	83601	1	ASSY	3.1882	4.4675	.8169	1.0007	6.2851	9.0317	10.2603	133.0		
SHAFT - UPPER - STRG.	83602	1	CRS	1.5371	.6031	.1950	.3481	1.1462	1.6471	1.8711	19.0		
SHAFT - LOWER - STRG.	83604	1	HRS	1.0263	.3182	.0566	.0539	.4287	.6160	.6998	5.0		
BEARING	83610	1	STL	.0314	.5500			.5500	.7904	.8979			
RETAINER RING	83612	1	STL	.0027	.0400			.0400	.0575	.0653			
UNIVERSAL BRACKET - STRG. SHAFT	83612J	1	CRS	.2290	.1317	.0228	.0571	.2416	.3041	.3455	50.0		
ASM - STRG. SHAFT UNIVERSAL JOINT	83613D	1	ASSY	.2352	1.8339	.3464	.3751	2.5554	3.6721	4.1717	25.0		
O-RING - UPPER SHAFT	83614	1	RUB	.0004	.0500			.0500	.0719	.0817			
DOWEL PIN - UPPER SHAFT	83615	1	STL	.0125	.0600			.0600	.0862	.0979			
PLASTIC RETAINER	83616	2	PLAS	.0024	.0020			.0020	.0028	.0032			
BEARING - LOWER SHAFT	83617	1	STL	.0862	.8000			.8000	1.1496	1.3059			
SPRING - LOWER SHAFT	83618	1	STL	.0250	.0750			.0750	.1078	.1225			
ASSEMBLY COST					.0036	.1961	.1665	.3662	.5262	.5978	34.0		

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VEHICLE- 09- CHRYSLER/PLYMOUTH RELIANT

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STRG. SHAFT UNIVERSAL JOINT	83613D	1	ASSY	.2352	1.8339	.3464	.3751	2.5554	3.6721	4.1717
BEARING	83612K	4	STL	.0576	1.0000			1.0000	1.4372	1.6328
BEARING SPACER	83612L	4	STL	.0040	.6400			.6400	.9126	1.0448
UNIVERSAL JOINT BLOCK - STRG SHAFT	83613A	1	HRS	.0924	.0661	.1313	.1297	.3271	.4700	.5339
SHORT SHAFT - U-JOINT BRG.	83613B	2	HRS	.0388	.0632	.0776	.0886	.2294	.3296	.3744
LONG SHAFT - U-JOINT BRG.	83613C	1	HRS	.0424	.0624	.0235	.0467	.1326	.1905	.2164
ASSEMBLY COST					.0022	.1140	.1101	.2263	.3252	.3694

VEHICLE- 09-- CHRYSLER/PLYMOUTH RELIANT

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	VARIABLE MANUFACTURING COST				WHOLESALE CONSUMER		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE
ASM - INTERMEDIATE STEERING SHAFT	83621	1	1:ASSY	2.4098	3.0700	1.6358	2.3555	7.0613	10.1472	11.5275	454.0
SHAFT - UPPER	83623	1	1:STTB	.3515	.2344	.0404	.0391	.3139	.4511	.5124	17.0
SPRING - LOWER SHAFT	83624	1	1:SSTL	.0504	.0703	.0064	.0180	.0947	.1361	.1546	20.0
SHAFT - LOWER INTERMEDIATE	83625	1	1:CRS	.5187	.2875	.3072	.5717	1.1664	1.6761	1.9040	65.0
FLANGE - LOWER COUPLING	83626	1	1:FRG	.3294	.1509	.4433	.6687	1.2629	1.8148	2.0616	94.0
ASM - COUPLING SEAL	83628	1	1:ASSY	.1596	.1167	.0662	.0605	.2434	.3497	.3973	42.0
LOWER SEAL	83629	1	1:NY	.0750	.1567	.0077	.0104	.1748	.2512	.2854	35.0
FULL PIN - UNIVERSAL ATTACHING	83632	1	1:CRS	.0394	.0162	.0057	.0201	.0420	.0604	.0686	15.0
UNIVERSAL BRACKET	83637	1	1:HRS	.3220	.1446	.0452	.0865	.2763	.3970	.4510	35.0
HALF PIN - UNIVERSAL COUPLING	83638	2	2:CRS	.0136	.0058	.0096	.0328	.0482	.0692	.0786	15.0
BEARING	83639	4	4:VAR	.0576	1.0000			1.0000	1.4372	1.6328	
BEARING SPACER	83641	4	4:VAR	.0044	.6400			.6400	.9196	1.0448	
U-JOINT - RETAINER BLOCK	83642	1	1:RM	.0853	.0340	.0437	.0863	.1640	.2357	.2678	36.0
SHAFT (TUBE) - LOWER COUPLING	83643	1	1:HRS	.4029	.2016	.1350	.2627	.5993	.8612	.9783	35.0
ASSEMBLY COST					.0113	.5254	.4987	1.0354	1.4879	1.6903	45.0

VEHICLE- 09- CHRYSLER/PLYMOUTH RELIANT

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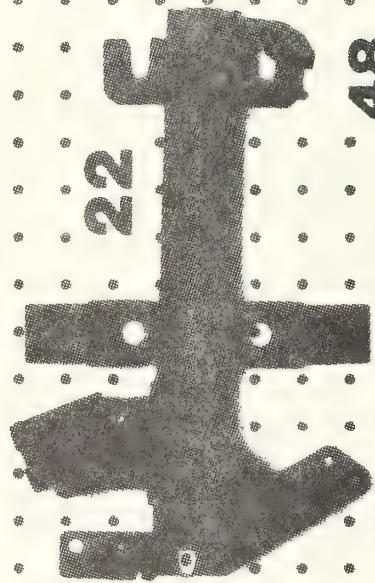
VEHICLE- 10- AMC/RENAULT ALLIANCE

DESCRIPTION	ITEM	NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST				WHOLESALE CONSUMER TOOLING		
						MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE
AMC/RENAULT ALLIANCE			1		4.8699	4.3109	2.5402	3.2293	10.0804	14.4858	16.4559	843.0
ASM - STEERING COLUMN JACKET	183521	1	1	ASSY	.8503	.6110	.1862	.3355	1.1327	1.6277	1.8491	62.0
ASM - STEERING COLUMN MTG. BRACKET	183541	1	1	ASSY	.5682	.1812	.0086	.0285	.2183	.3137	.3563	85.0
ASM - STEERING SHAFT	183601	1	1	ASSY	.9198	.4017	.3045	.4025	1.1087	1.5932	1.8098	51.0
ASM - INTERMEDIATE STEERING SHAFT	183621	1	1	ASSY	2.5316	3.1170	2.0409	2.4628	7.6207	10.9512	12.4407	645.0
ASSEMBLY COST												

VEHICLE- 10- AMC/RENAULT ALLIANCE

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING COLUMN MTG. BRACKET	183541	1	ASSY	.5682	.1812	.0086	.0285	.2183	.3137	.3563
BRACKET - STRG. COL. MTG.	183542	1	HRS	.2742	.0728	.0043	.0136	.0907	.1303	.1480
BRACKET - BOTTOM - STRG. COL. MTG.	183548	1	HRS	.2940	.1084	.0043	.0149	.1276	.1834	.2083
ASSEMBLY COST										

1983 AMC ALLIANCE BOARD 5



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VEHICLE- 10- AMC/RENAULT ALLIANCE

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING SHAFT	183601	1	ASSY	.9198	.4017	.3045	.4025	1.1087	1.5932	1.8098
SHAFT - UPPER - STRG.	183602	1	STTB	.8264	.3104	.1361	.2349	.6814	.9792	1.1124
COLLAR - UPPER SHAFT	183608	2	RUB	.0550	.0650	.0446	.0512	.1608	.2310	.2624
BUSHING - UPPER SHAFT	183620	2	STTB	.0384	.0256	.0838	.0906	.2000	.2874	.3264
ASSEMBLY COST					.0007	.0400	.0258	.0665	.0956	.1086

VEHICLE- 10- AMC/RENAULT ALLIANCE

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	MATERIAL	LABOR	BURDEN	TOTAL	PRICE	WHOLESALE	CONSUMER	TOOLING
ASM - INTERMEDIATE STEERING SHAFT	183621	1	ASSY	2.5316	3.1170	2.0409	2.4628	7.6207	10.9512	12.4407	645.0	
FLANGE - UPPER COUPLING	183622	1	FRG	.2265	.1010	.1913	.3072	.5995	.8615	.9787	107.0	
TURE SHAFT - UPPER	183623	1	STTB	.5256	.3718	.0538	.0512	.4768	.6852	.7784	15.0	
SHAFT - LOWER	183625	1	CRS	.6906	.2948	.2743	.2734	.8425	1.2107	1.3754	60.0	
BRACKET - LOWER COUPLING	183626	1	HRS	.1623	.0517	.0295	.0491	.1303	.1872	.2127	25.0	
UNIVERSAL BRACKET	183637	1	FRG	.2215	.0976	.1277	.2369	.4622	.6642	.7545	85.0	
BEARING	183639	4	VAR	.0572	1.0000			1.0000	1.4372	1.6328		
BEARING SPACER	183641	4	RUB	.0012	.3600			.3600	.5172	.5876		
UNIVERSAL JOINT - INTER. SHAFT	183642	1	FRG	.1051	.0557	.4573	.6618	1.1748	1.6882	1.9178	200.0	
RETAINING CLIP	183646	2	NY	.0026	.0078			.0078	.0112	.0128		
NUT - BUSHING TO SHAFT FLANGE	183657	2	CRS	.0200	.0700			.0700	.1006	.1142		
BOLT - BUSHING TO SHAFT	183658	2	CRS	.1080	.1100			.1100	.1580	.1794		
RUBBER - LOWER COUPLING BUSHING	183659	2	RUB	.0180	.1060			.1060	.1524	.1732		
SLEEVE - BUSHING INNER	183660	2	CRS	.0680	.0700			.0700	.1006	.1142		
COUPLING- STRG INTER SHAFT TO GEAR	183661	1	AL	.0800	.0828	.0392	.0583	.1803	.2591	.2943		
ADAPTOR - COUPLING TO STRG GEAR	183662	1	HRS	.1940	.1417	.1003	.1859	.4279	.6149	.6985	33.0	
BOLT - ADAPTOR TO SHAFT	183663	1	CRS	.0410	.0450			.0450	.0647	.0735		
NUT - ADAPTOR TO SHAFT BOLT	183664	1	CRS	.0100	.0350			.0350	.0503	.0571		
ASSEMBLY COST					.1161	.7675	.6390	1.5226	2.1880	2.4856	120.0	

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VEHICLE- 11- TOYOTA TERCEL

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
TOYOTA TERCEL		1		8.1484	9.4086	3.2470	4.3406	16.9962	24.4241	27.7464
ASM - STEERING COLUMN JACKET	183521	1	ASSY	.8613	.6188	.5077	.5534	1.6799	2.4140	2.7424
ASM - STEERING COLUMN MTG. BRACKET	183541	1	ASSY	1.6691	1.0252	.1049	.1474	1.2775	1.8358	2.0855
ASM - STEERING SHAFT	183601	1	ASSY	4.2620	5.3566	1.5381	2.2381	9.1328	13.1242	14.9093
ASM - INTERMEDIATE STEERING SHAFT	183621	1	ASSY	1.3560	2.4080	1.0963	1.4017	4.9060	7.0501	8.0092
ASSEMBLY COST										

VEHICLE- 11- TOYOTA TERCEL

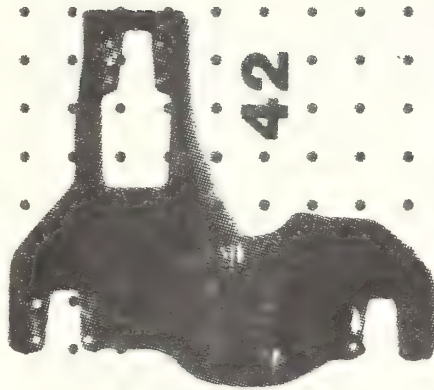
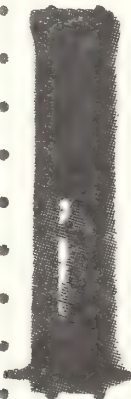
DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING COLUMN JACKET	183521	1	11ASSY	.8613	.6188	.5077	.5534	1.6799	2.4140	2.7424
JACKET - HOUSING - STRG. COL.	183522	1	11STTB	.6779	.3994	.1076	.1943	.7013	1.0078	1.1449
FLANGE - JACKET HSG.	183540E	1	11CRS	.1834	.1514	.0076	.0127	.1717	.2467	.2803
ASSEMBLY COST					.0680	.3925	.3464	.8069	1.1595	1.3172

VEHICLE- 11- TOYOTA TERCEL

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE/ CONSUMER/ TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING COLUMN MTG. BRACKET	183541	1	1	1.6691	1.0252	.1049	.1474	1.2775	1.8358	2.0855
BRACKET - STRG. COL. MTG.	183542	1	1	1.5494	.9579	.0102	.0318	.9999	1.4369	1.6323
SPACER - STRG. COL. BRKT.	183543	3	1	.1197	.0660	.0180	.0603	.1443	.2073	.2355
ASSEMBLY COST					.0013	.0767	.0553	.1333	.1916	.2177

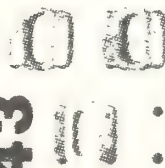
1983 TOYOTA TERCEL BOARD 5

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VEHICLE- 41- TOYOTA TERCEL

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE- CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING SHAFT	183601	1	ASSY	4.2620	5.3566	1.5381	2.2381	9.1328	13.1242	14.9093
SHAFT - UPPER - STRG.	183602	1	CRS	1.8408	.7685	.1631	.3425	1.2741	1.8309	2.0799
SHAFT - LOWER - STRG.	183604	1	STB	.8034	.4910	.0566	.0539	.6015	.8644	.9820
BEARING	183610	1	STL	.1078	.6500			.6500	.9341	1.0611
RETAINER RING	183612	2	STL	.0052	.0800			.0800	.1150	.1306
UNIVERSAL JOINT - STRG. SHAFT	183612D	1	STF	.1012	.0485	.1916	.3688	.6082	.8750	.9940
CLEVIS - STRG. SHAFT	183612E	1	STF	.3735	.1549	.3443	.5250	1.0242	1.4718	1.6720
BOLT	183612G	1	STL	.0685	.0590			.0590	.0848	.0963
UNIVERSAL BRACKET - STRG. SHAFT	183612J	1	STF	.6259	.2402	.2234	.4634	.9270	1.3321	1.5133
BEARING	183612K	4	STL	.0576	1.0000			1.0000	1.4372	1.6328
A BEARING SPACER	183612L	4	RUB	.0040	.6400			.6400	.9196	1.0448
BEARING - LOWER SHAFT	183617	1	STL	.1865	.9500			.9500	1.3652	1.5509
RETAINER - BEARING	183620A	1	STL	.0047	.0500			.0500	.0719	.0817
PLUG - STRG. SHAFT	183620B	1	AL	.0006	.0009	.0032	.0074	.0115	.0165	.0187
POLY-GEL	183620C	1	PLAS	.0823	.1850			.1850	.2658	.3019
ASSEMBLY COST					.0386	.5559	.4771	1.0716	1.5399	1.7493

VEHICLE- 11- TOYOTA TERCEL

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	CONSUMER	TOOLING
ASM - INTERMEDIATE STEERING SHAFT	83621	1	1	ASSY	1.3560	2.4080	1.0963	1.4017	4.9060	7.0501	8.0092	350.0
FLANGE - COUPLING UPPER	83622	1	1	HRS	.2103	.1339	.0452	.0865	.2656	.3817	.4336	35.0
SHAFT - STRG. COL. INTERMEDIATE	83623	1	1	STL	.7104	.3167	.2534	.2846	.8547	1.2282	1.3952	25.0
UNIVERSAL BRACKET	83637	1	1	HRS	.2567	.2014	.1412	.2007	.5433	.7807	.8869	55.0
BEARING	83639	1	1	VAR	.0576	1.0000			1.0000	1.4372	1.6328	
BEARING SPACER	83641	1	1	VAR	.0044	.6400			.6400	.9196	1.0448	
UNIVERSAL JOINT - INTER. SHAFT	83642	1	1	FRG	.1012	.0541	.4573	.6618	1.1732	1.6859	1.9152	200.0
NUT (M8-1.25) - UNIV. COUPLING	83643	1	1	HRS	.0154	.0320			.0320	.0460	.0523	
ASSEMBLY COST						.0299	.1992	.1681	.3972	.5708	.6484	35.0

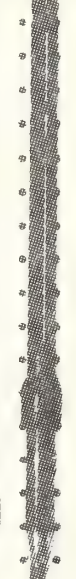
1983 TOYOTA TERCEL BOARD 6

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VEHICLE- 12- NISSAN SENTRA

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
NISSAN SENTRA		1		6.0825	7.2868	3.0766	3.7096	14.0730	20.2233	22.9742
ASM - STEERING COLUMN JACKET	183521	1	ASSY	1.0319	.5646	.5417	.5362	1.6425	2.3603	2.6813
ASM - STEERING COLUMN MTG. BRACKET	183541	1	ASSY	.6098	.2712	.0753	.0843	.4308	.6190	.7032
ASM - STEERING SHAFT	183601	1	ASSY	3.1952	4.0413	1.2105	1.5558	6.8076	9.7828	11.1135
ASM - INTERMEDIATE STEERING SHAFT	183621	1	ASSY	1.2456	2.4097	1.2491	1.5333	5.1921	7.4612	8.4762
ASSEMBLY COST										

VEHICLE- 12- NISSAN SENTRA

DESCRIPTION	ITEM NO.	QTY	MATL	WEIGHT	VARIABLE MANUFACTURING COST				WHOLESALE CONSUMER TOOLING			
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE	PRICE	PRICE
ASM - STEERING COLUMN JACKET	183521	1	ASSY	1.0319	.5646	.5417	.5362	1.6425	2.3603	2.6813	159.0	
JACKET (HOUSING) - STRG. COL.	183522	1	STTB	1.0242	.4875	.1455	.1818	.8148	1.1709	1.3301	70.0	
SPACER - STRG. COL. JACKET	183527	1	PLAS	.0077	.0097	.0398	.0324	.0819	.1177	.1337	72.0	
ASSEMBLY COST					.0674	.3564	.3220	.7458	1.0717	1.2175	12.0	

VEHICLE- 12- NISSAN SENTRA

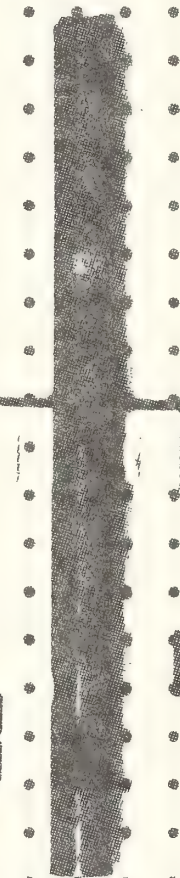
DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE/ CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING COLUMN MTG. BRACKET	183541	1	1 ASSY	.6098	.2712	.0753	.0843	.4308	.6190	.7032
BRACKET - STRG. COL. MTG.	183542	1	16/ST	.4359	.1710	.0196	.0274	.2180	.3133	.3559
SPACER - STRG. COL. MTG. BRKT.	183543	1	21HRS	.0290	.0140	.0070	.0126	.0336	.0482	.0548
BOTTOM BRACKET - STRG. COL. MTG.	183548	1	16/ST	.1449	.0855	.0087	.0185	.1127	.1619	.1839
ASSEMBLY COST					.0007	.0400	.0258	.0665	.0956	.1086

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VEHICLE- 12- NISSAN SENTRA

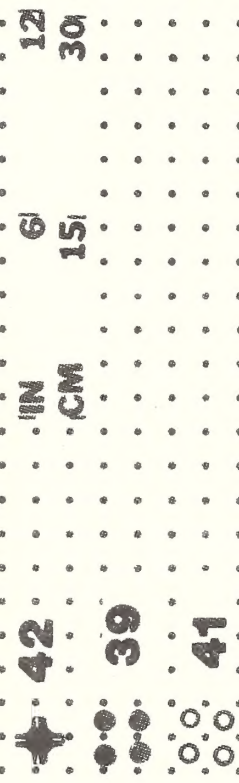
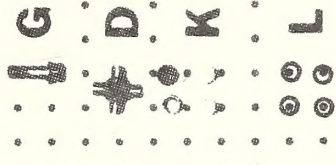
DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - STEERING SHAFT	83601	1	ASSY	3.1952	4.0413	1.2105	1.5558	6.8076	9.7828	11.1135
SHAFT - UPPER - STRG.	83602	1	CRS	1.2922	.5079	.1790	.3594	1.0463	1.5035	1.7080
SHAFT - LOWER - STRG.	83604	1	HRS	.9664	.2979	.0933	.0962	.4874	.7004	.7957
BEARING	83610	1	STL	.0358	.5500			.5500	.7904	.8979
RETAINER RING	83612	2	STL	.0034	.0800			.0800	.1150	.1306
WASHER	83612A	1	STL	.0092	.0250			.0250	.0359	.0408
SPRING WASHER	83612B	1	STL	.0014	.0500			.0500	.0719	.0817
UNIVERSAL JOINT - STRG. SHAFT	83612D	1	STF	.1012	.0485	.1916	.3688	.6089	.8750	.9940
CLEVIS - STRG. SHAFT	83612E	1	CRS	.3330	.2536	.1527	.2034	.6097	.8761	.9952
NUT - UNIV. COUPLING	83612F	1	STL	.0253	.0400			.0400	.0575	.0653
BOLT	83612G	1	STL	.0685	.0590			.0590	.0848	.0963
BOOT - STRG. SHAFT	83612H	1	RUB	.1306	.3091			.3091	.4442	.5046
BOOT RETAINER	83612I	1	PLAS	.0018	.0500			.0500	.0719	.0817
UNIVERSAL BRACKET - STRG. SHAFT	83612J	1	HRS	.1648	.0935	.0200	.0506	.1641	.2358	.2679
BEARING	83612K	4	STL	.0576	1.0000			1.0000	1.4372	1.6328
BEARING SPACER	83612L	4	RUB	.0040	.6400			.6400	.9196	1.0448
ASSEMBLY COST					.0368	.5739	.4774	1.0881	1.5636	1.7762

VEHICLE- 12- NISSAN SENTRA

DESCRIPTION	ITEM NO.	QTY	MATERIAL	WEIGHT	VARIABLE MANUFACTURING COST			WHOLESALE - CONSUMER TOOLING		
					MATERIAL	LABOR	BURDEN	TOTAL	PRICE	PRICE
ASM - INTERMEDIATE STEERING SHAFT	83621	1	ASSY	1.2456	2.4097	1.2491	1.5333	5.1921	7.4612	8.4762
FLANGE - COUPLING UPPER	83622	1	HRS	.2103	.1339	.0452	.0865	.2656	.3817	.4336
SHAFT - STRG. COL. INTERMEDIATE	83623	1	STL	.6000	.3184	.4062	.4162	1.1408	1.6393	1.8622
UNIVERSAL BRACKET	83637	1	HRS	.2567	.2014	.1412	.2007	.5433	.7807	.8869
BEARING	83639	4	VAR	.0576	1.0000			1.0000	1.4372	1.6328
BEARING SPACER	83641	4	VAR	.0044	.6400			.6400	.9196	1.0448
UNIVERSAL JOINT - INTER. SHAFT	83642	1	FRG	.1012	.0541	.4573	.6618	1.1732	1.6859	1.9152
NUT (M8-1.25) - UNIV. COUPLING	83643	1	HRS	.0154	.0320			.0320	.0460	.0523
ASSEMBLY COST					.0299	.1992	.1681	.3972	.5708	.6484

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